

# 2011 Military Health System Conference

## Managing per Member per Month (PMPM)

Findings regarding variation and drivers of cost

*The Quadruple Aim: Working Together, Achieving Success*

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25 January 2011



Health Affairs

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# PMPM and the Quadruple Aim: Per Capita Cost



- Create value by focusing on quality
- Target outcomes not outputs
- Eliminate waste and reduce unwarranted variation;
- Consider the total cost of care over time, not just the cost of an individual health care activity
- Prioritize population health

# Outline



- The Metric
- “Concern”
- Findings
  1. OPPS
  2. Active Duty
    - Utilization
  3. Direct Care Unit Costs
- A Case study

# What is PMPM/PMPY?



- The accumulated medical costs associated with enrollees by enrollment site each month
  - Inpatient, Outpatient, Pharmacy, Ancillary
  - Wherever DHP care is received
    - Direct Care, Purchased Care, TRICARE Mail Order Pharmacy
    - Direct Care costs calculated at MTF where care is delivered but assigned to enrollment site
- Divide total cost by number of enrollees adjusted for age/gender/beneficiary category
  - Reflects differences in underlying demographics
    - e.g. 23 year old Active Duty Male vs 49 year old retired female

Only reflects cost for enrolled individuals

# How PMPM is built



- Calculate MTF unit costs at place of service for all care provided
- Apply unit costs to only enrollee utilization
- Add Private Sector Care claims costs
- Divide by number of enrollees adjusted for demographics (equivalent lives)





# MTF Production Unit Cost

**TFL**



**Prime**



**Standard**



87 RWPs



17 RWPs

44 RWPs

MEPRS  
"A"

$$\$1,324K / 148 \text{ RWPs} = \$8,946/\text{RWP}$$



# DACH Enrollee Inpatient Care

## NNMC



MTF Production

Unit Cost: \$10K/RWP

Utilization: 62 RWPs

Total Cost: \$620K

Total Cost for Enrollee Care

\$620K

\$1,608K

\$970K

\$783K

\$3,981K

2011

## WRAMC



MTF Production

Unit Cost: \$12K/RWP

Utilization: 134 RWPs

Total Cost: \$1,608K

## Dewitt ACH



MTF Production

Unit Cost: \$9K/RWP

Utilization: 87 RWPs

Total Cost: \$783K

## Purchased Care



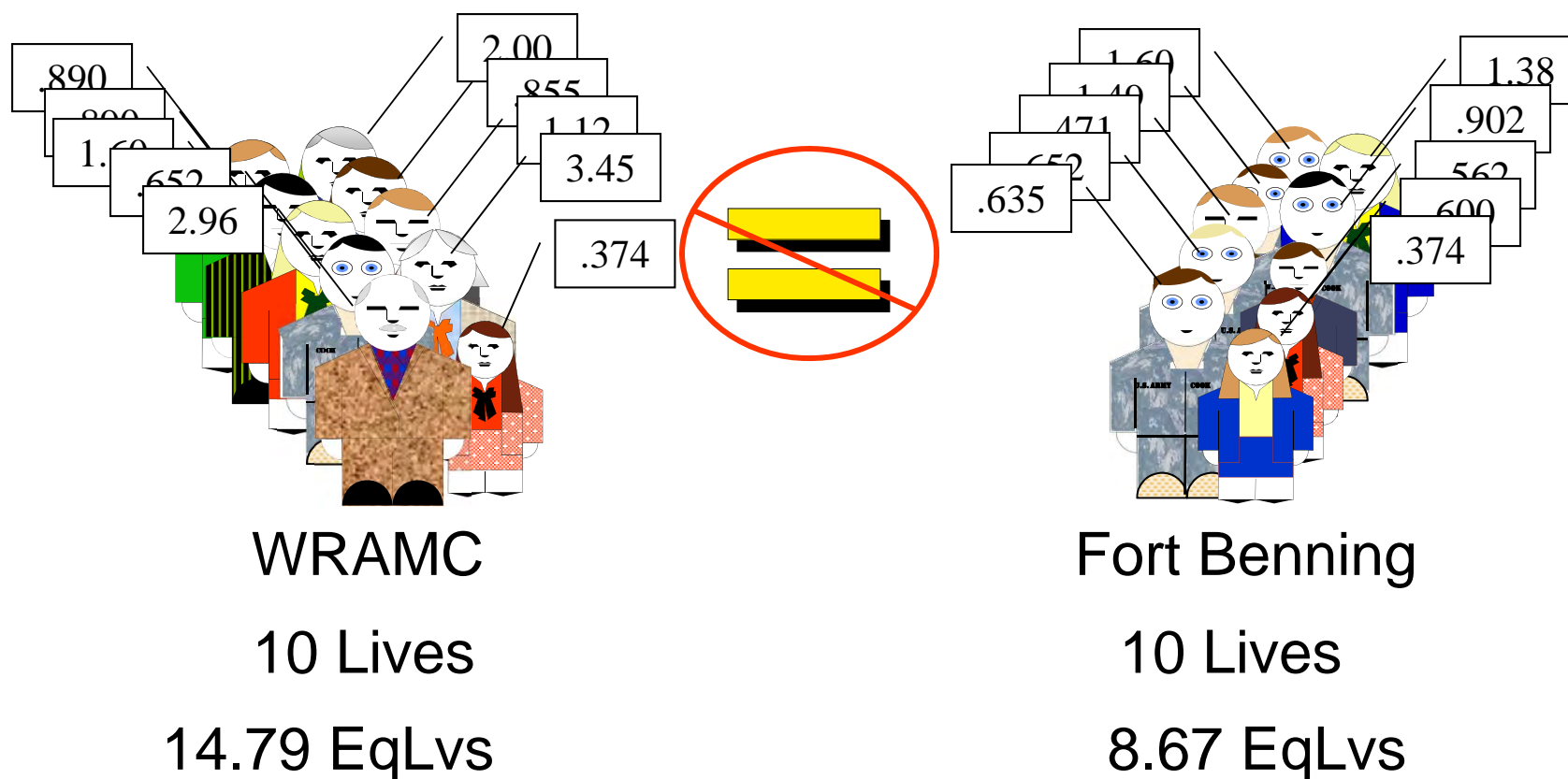
Claims Cost: \$970K





# Enrollees vs. Equivalent Lives

- Developed to adjust for health utilization differences across populations
- By adjusting enrolled population, comparisons can be made across MTFs and Services



# PMPM Calculation Example

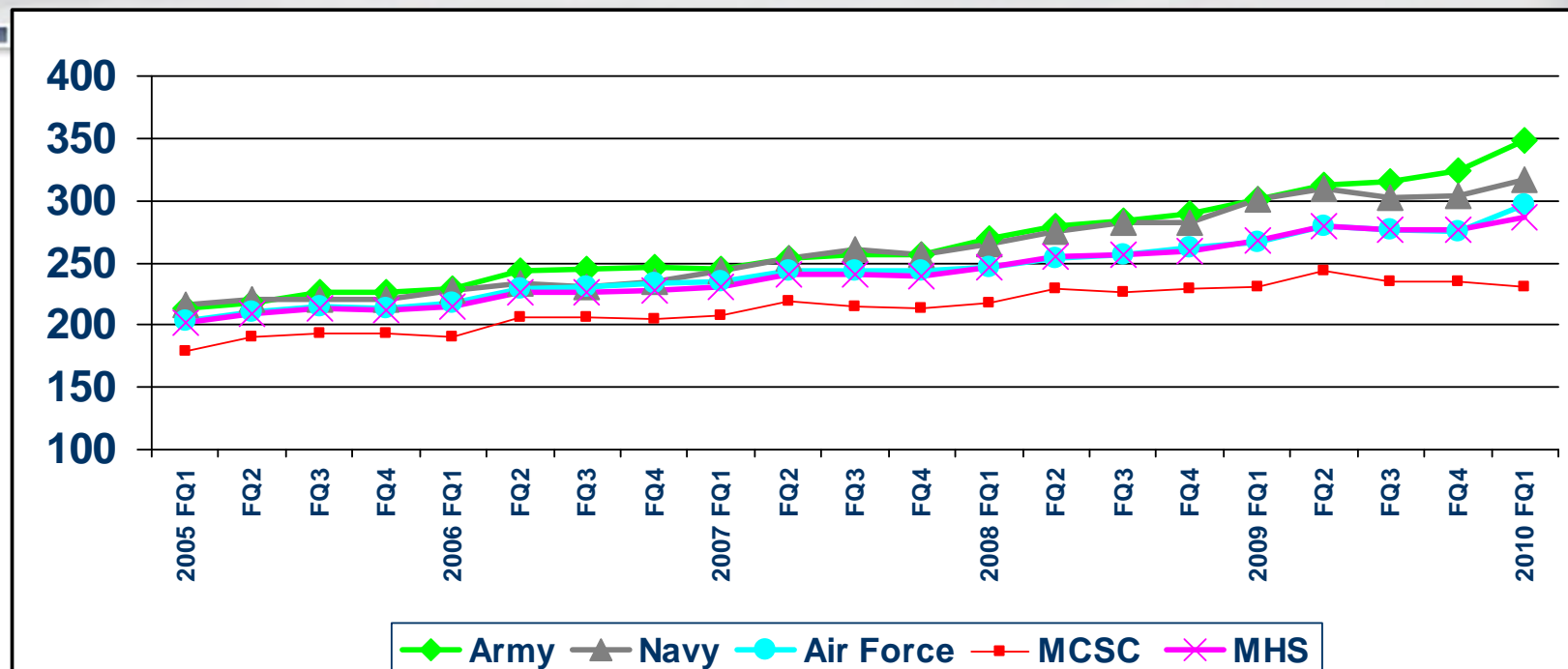


Sample MTF

Enrollees	79,286
Equivalent Lives	83,932

	Direct Care \$	Purchased Care \$	Total \$	PMPM
Inpatient	\$ 4,200,754	\$ 1,278,419	\$ 5,479,173	65
Outpatient	\$ 13,159,945	\$ 2,757,346	\$ 15,917,291	190
Pharmacy	\$ 2,153,232	\$ 798,808	\$ 2,952,040	35
Total	\$ 19,513,931	\$ 4,834,574	\$ 24,348,504	290

# Medical Cost Per Equivalent Life



Prior Qtr	Current Qtr		FY05 YTD	FY06 YTD	FY07 YTD	FY08 YTD	FY09 Q1	FY09 Q2	FY09 Q3	FY09 Q4	FY09 YTD	FY10 Q1	FY10 YTD		FY08 YTD %	FY09 YTD %	FY10 YTD %
		Army	221	241	249	280	301	312	316	324	314	348	348		10.7%	12.0%	15.8%
		Navy	219	231	249	276	301	309	303	304	304	317	317		8.9%	10.1%	6.4%
		Air Force	211	227	236	255	267	279	276	275	274	296	296		5.8%	7.9%	12.6%
		MCSC: Network/PCM	189	202	214	226	230	244	235	235	236	231	231		5.4%	4.7%	1.2%
		MHS Total	209	224	234	255	268	279	276	277	275	287	287		7.3%	8.1%	8.1%
		Goal													6.1%	5.0%	6.1%

Data Source: M2 (SIDR/SADR/HCSR-I/HCSR-NI,PDTs); EASIV; Enrollees are adjusted for Age/Gender/Bencat

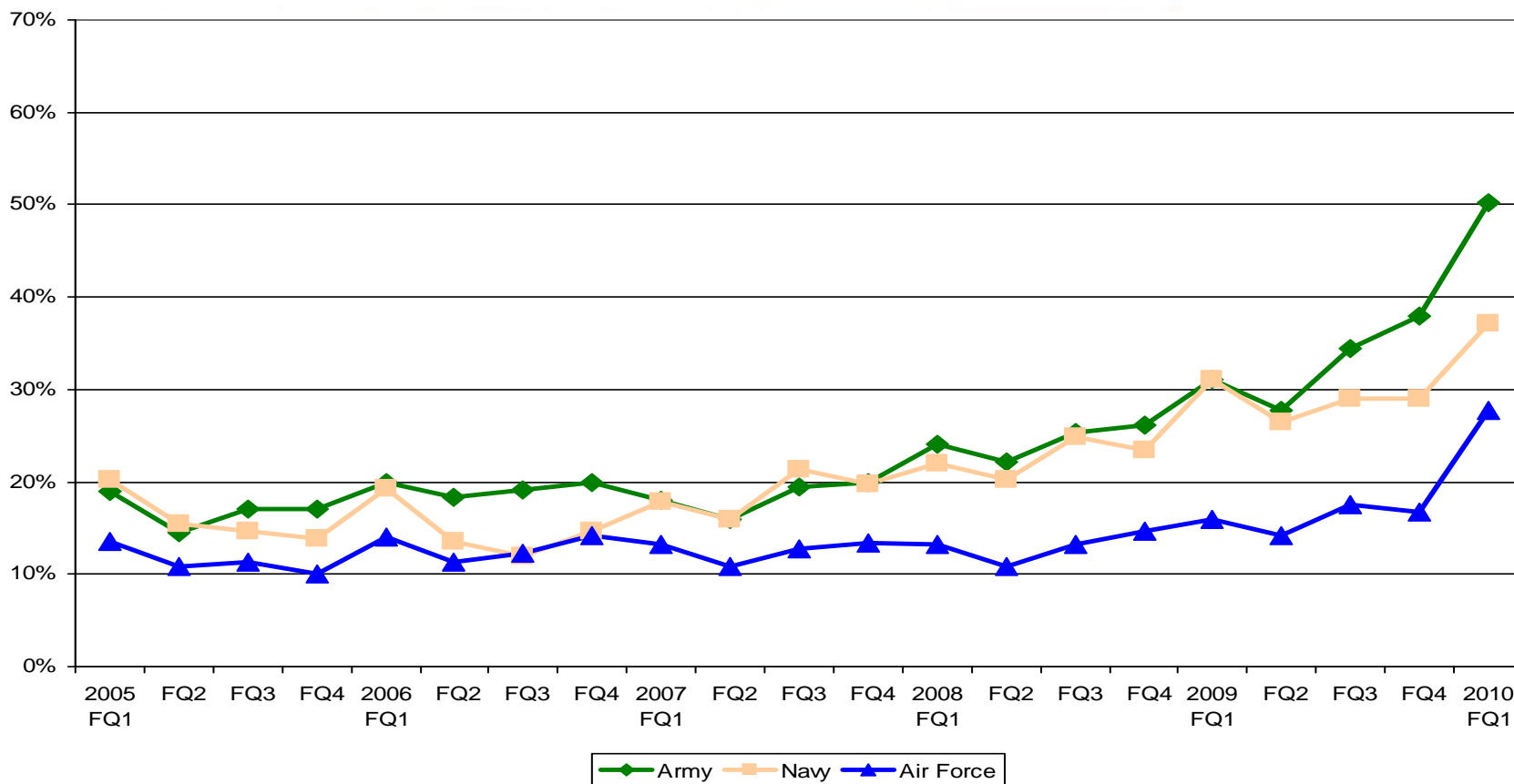
Current as of Jul 10, with measure reported through Dec 09. (Portions of value are projected due to missing expense data from MTFs.)

**Average Annual % Increase (FY06/09): Army: 11.9% Navy: 10.6% AF: 8.0% MCSC: 6.0%**



# **“CONCERN”**

# Direct Care Enrollee Difference From MCSC Enrollee



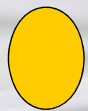
Direct Care Enrollees used to cost 10%-20% more than MCSC enrollees.  
They now cost 30-50% more.



# Findings

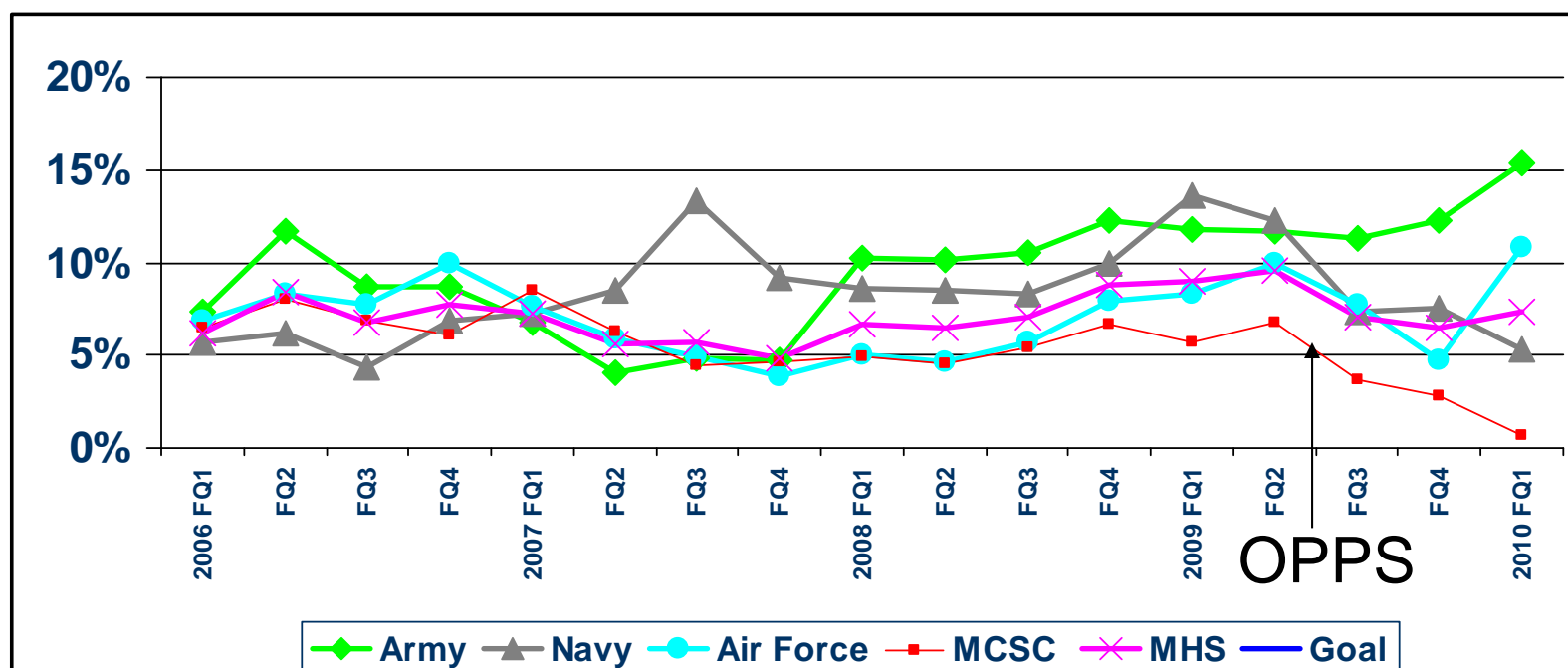


1. MCSC Costs have gone down
  - OPPS significant reason
2. Most of increase is in Active Duty
  - Utilization represents significant portion
3. Irrespective of OPPS, MTF cost growth far exceeding PSC price growth



# 1. OPPS

## Medical Cost Per Equivalent Life: % Change from Prior Year



TRICARE Implements OPPS in May 2009

\$688M in Savings for FY10 (includes non-enrollees and DC enrollees)

MCSC Enrollee PMPM now growing well below 5%

DC Enrollee PMPM still growing between 5% and 15%

*Data Source: M2 (SIDR/SADR/HCSR-I/HCSR-NI,PDTS); EASIV; Enrollees are adjusted for Age/Gender/Bencat  
Current as of Jul 10, with measure reported through Dec 09. (Portions of value are projected due to missing expense data from MTFs.)*

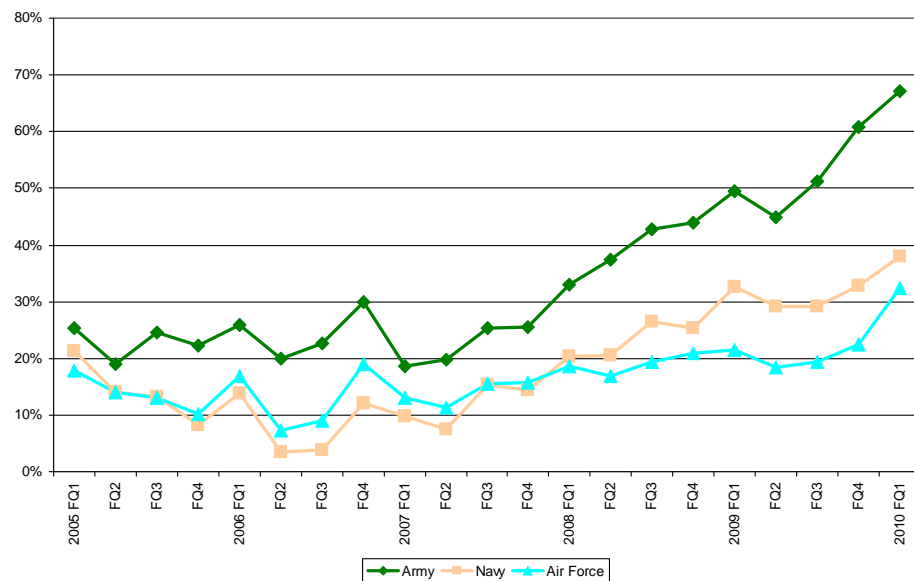


## 2. ACTIVE DUTY

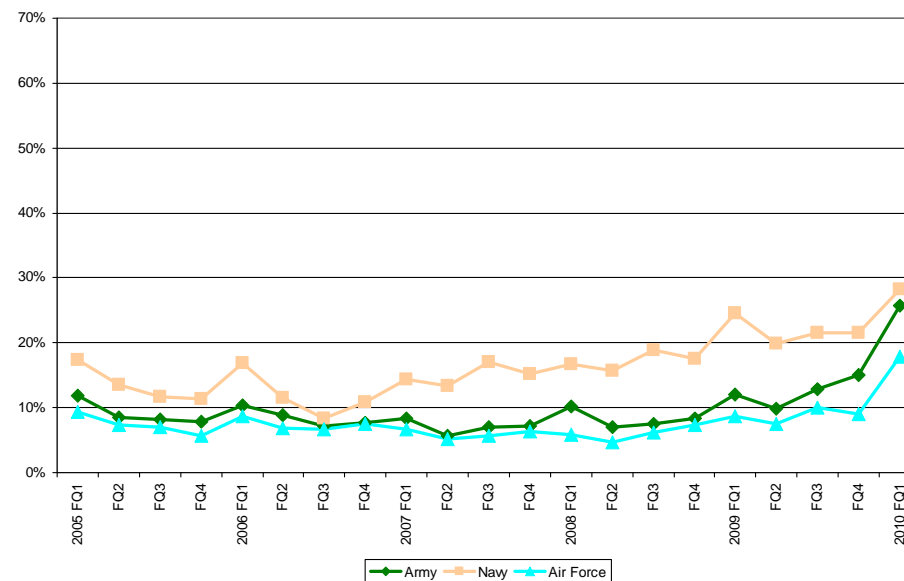
# Direct Care Enrollee Difference compared to MCSC Enrollees



## Active Duty



## Non-Active Duty



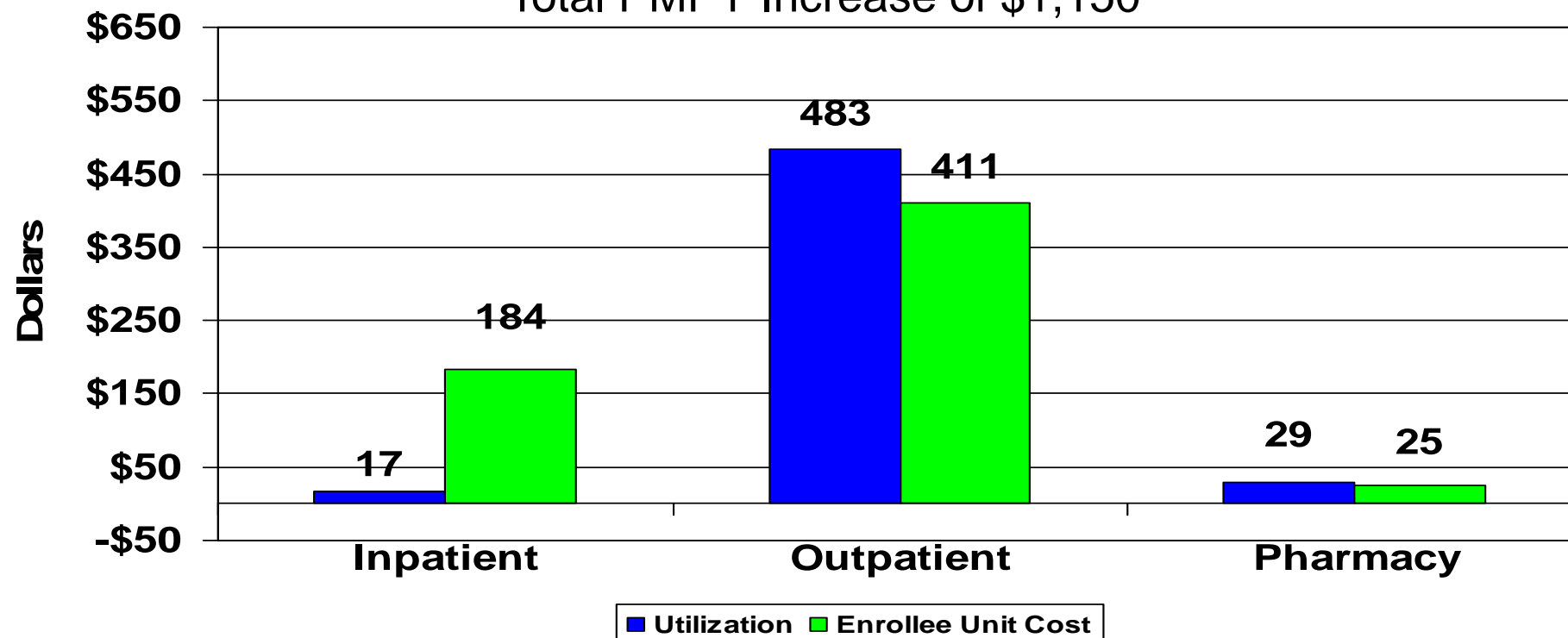
Difference for AD Enrollees growing at a much faster rate than that for Non-Active Duty.

# FY06/09 AD MTF Prime Enrollee PMPY Cost

## Increases by Utilization and Average Enrollee Unit Cost



Total PMPY Increase of \$1,150



	FY2006	FY2009	Total Increase	Utilization FY2006	Utilization FY2009	% Increase	Increase in PMPY due to Utilization	Unit Cost FY2006	Unit Cost FY2009	% Increase	Increase in PMPY due to Unit Cost
Inpatient (RWPs)	\$ 623	\$ 824	\$ 201	66.45	68.30 *	3%	\$ 17	\$ 9,376	\$12,064	29%	\$ 184
Outpatient ( Work RVUs)	\$ 2,392	\$ 3,287	\$ 895	1,316	1,582 **	20%	\$ 483	\$ 182	\$ 208	14%	\$ 411
Pharmacy (30 day Scripts)	\$ 286	\$ 341	\$ 55	872	960 ***	10%	\$ 29	\$ 33	\$ 36	8%	\$ 25
	\$ 3,302	\$ 4,452	\$ 1,150				\$ 530				\$ 620

\* Rate per 1000    \*\*Rate per 100    \*\*\* Rate per person



# Major Diagnostic Category Changes for AD between FY06/09



Description	TI RVU/100 Eq Lv - DC			TI RVU/100 Eq Lv - MCSC			Total RVU per 100 Eq Lv		06/09	
	2006	2009	% Change	2006	2009	% Change	2006	2009	% Change	delta
Diseases and Disorders of the Nervous System	56.44	75.57	34%	47.34	44.23	-7%	103.8	119.8	15%	16.01
Diseases and Disorders of the Eye	192.26	193.01	0%	11.00	11.34	3%	203.3	204.4	1%	1.09
Diseases and Disorders of the Ear, Nose, Mouth, and Throat	103.03	144.84	41%	34.78	85.21	145%	137.8	230.1	67%	92.23
Diseases and Disorders of the Respiratory System	32.37	41.57	28%	11.20	16.04	43%	43.6	57.6	32%	14.04
Diseases and Disorders of the Circulatory System	47.64	49.22	3%	33.86	36.47	8%	81.5	85.7	5%	4.19
Diseases and Disorders of the Digestive System	89.64	91.26	2%	30.29	38.34	27%	119.9	129.6	8%	9.68
Diseases and Disorders of the Hepatobiliary System and Pancreas	4.13	4.22	2%	2.93	4.06	39%	7.1	8.3	17%	1.23
Diseases and Disorders of the Musculoskeletal System and Connective Tissue	349.52	473.43	35%	187.99	260.53	39%	537.5	734.0	37%	196.45
Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast	132.70	124.22	-6%	29.44	39.29	33%	162.1	163.5	1%	1.36
Endocrine, Nutritional and Metabolic Diseases and Disorders	22.23	26.19	18%	4.51	6.72	49%	26.7	32.9	23%	6.17
Diseases and Disorders of the Kidney and Urinary Tract	17.48	20.31	16%	9.11	13.01	43%	26.6	33.3	25%	6.72
Diseases and Disorders of the Male Reproductive System	8.54	19.54	129%	9.57	11.10	16%	18.1	30.6	69%	12.53
Diseases and Disorders of the Female Reproductive System	30.02	33.43	11%	11.20	13.11	17%	41.2	46.5	13%	5.33
Pregnancy, Childbirth, and the Puerperium	21.06	32.67	55%	25.87	26.45	2%	46.9	59.1	26%	12.19
Newborns and Other Neonates with Conditions Originating in Perinatal Period	0.23	0.47	101%	0.06	0.06	-13%	0.3	0.5	77%	0.23
Diseases and Disorders of the Blood, Blood Forming Organs, Immunological Dis	4.24	5.17	22%	2.90	4.15	43%	7.1	9.3	31%	2.20
Myeloproliferative Diseases and Disorders, Poorly Differentiated Neoplasm	8.59	10.33	20%	4.91	7.75	58%	13.5	18.1	34%	4.58
Infectious and Parasitic Diseases, Systemic or Unspecified Sites	16.15	12.98	-20%	1.65	2.52	53%	17.8	15.5	-13%	(2.30)
Mental Diseases and Disorders	132.33	252.65	91%	25.36	49.06	93%	157.7	301.7	91%	144.02
Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders	46.16	63.81	38%	2.14	7.37	245%	48.3	71.2	47%	22.89
Injuries, Poisonings and Toxic Effects of Drugs	22.76	10.24	-55%	7.13	9.87	38%	29.9	20.1	-33%	(9.78)
Burns	0.77	1.86	142%	0.53	0.92	73%	1.3	2.8	114%	1.48
Factors Influencing Health Status and Other Contacts with Health Services	873.22	1,033.76	18%	14.05	19.12	36%	887.3	1,052.9	19%	165.61
Human Immunodeficiency Virus Infections	1.61	1.91	18%	0.03	0.03	-2%	1.6	1.9	18%	0.30
Total	2,213.11	2,722.68	23%	507.87	706.75	39%	2,721.0	3,429.4	26%	708.45

2.0 more RVUs per person per year in MDC 08 – Ortho

1.5

MDC 19 – Mental Health

1.7

MDC 23 – Factors Influencing Health

5.2 more RVUs per person per year or 74% of total increase for ambulatory

# Ambulatory Product Line Changes for AD between FY06/09



Prod	TI RVU/100 Eq Lv - DC		06/09	TI RVU/100 Eq Lv - MCSC		06/09	Total RVU per 100 Eq Lv		06/09	
	2006	2009	% Change	2006	2009	% Change	2006	2009	% Change	delta
Derm	38.63	32.94	-15%	9.40	14.09	50%	48.03	47.03	-2%	(1.00)
ENT	27.39	32.44	18%	17.72	20.71	17%	45.11	53.15	18%	8.04
ER	64.76	85.85	33%	39.48	56.19	42%	104.24	142.04	36%	37.80
IM Sub	159.26	158.58	0%	114.17	155.70	36%	273.43	314.27	15%	40.85
MH	281.62	388.22	38%	23.75	51.52	117%	305.37	439.74	44%	134.37
OB	90.37	104.66	16%	38.96	42.25	8%	129.33	146.91	14%	17.58
Optom	292.24	333.99	14%	11.05	11.32	2%	303.29	345.31	14%	42.02
Ortho	439.84	521.78	19%	124.97	165.09	32%	564.80	686.87	22%	122.06
Other	79.44	91.27	15%	5.59	6.92	24%	85.03	98.19	15%	13.16
PC	686.83	916.43	33%	75.39	126.41	68%	762.21	1,042.84	37%	280.63
Surg	26.45	26.92	2%	19.34	22.98	19%	45.79	49.90	9%	4.11
Surg Sub	26.35	29.60	12%	28.06	33.56	20%	54.41	63.16	16%	8.75
Grand Total	2,213.18	2,722.68	23%	507.87	706.75	39%	2,721.05	3,429.42	26%	708.37

ER Product Line for review

Other Product Lines reviewed under MDC method

- Primary Care predominately MDC 23/08, Ortho MDC 08, Mental Health MDC 19

# All Enrollee AD MDC-08 Ortho

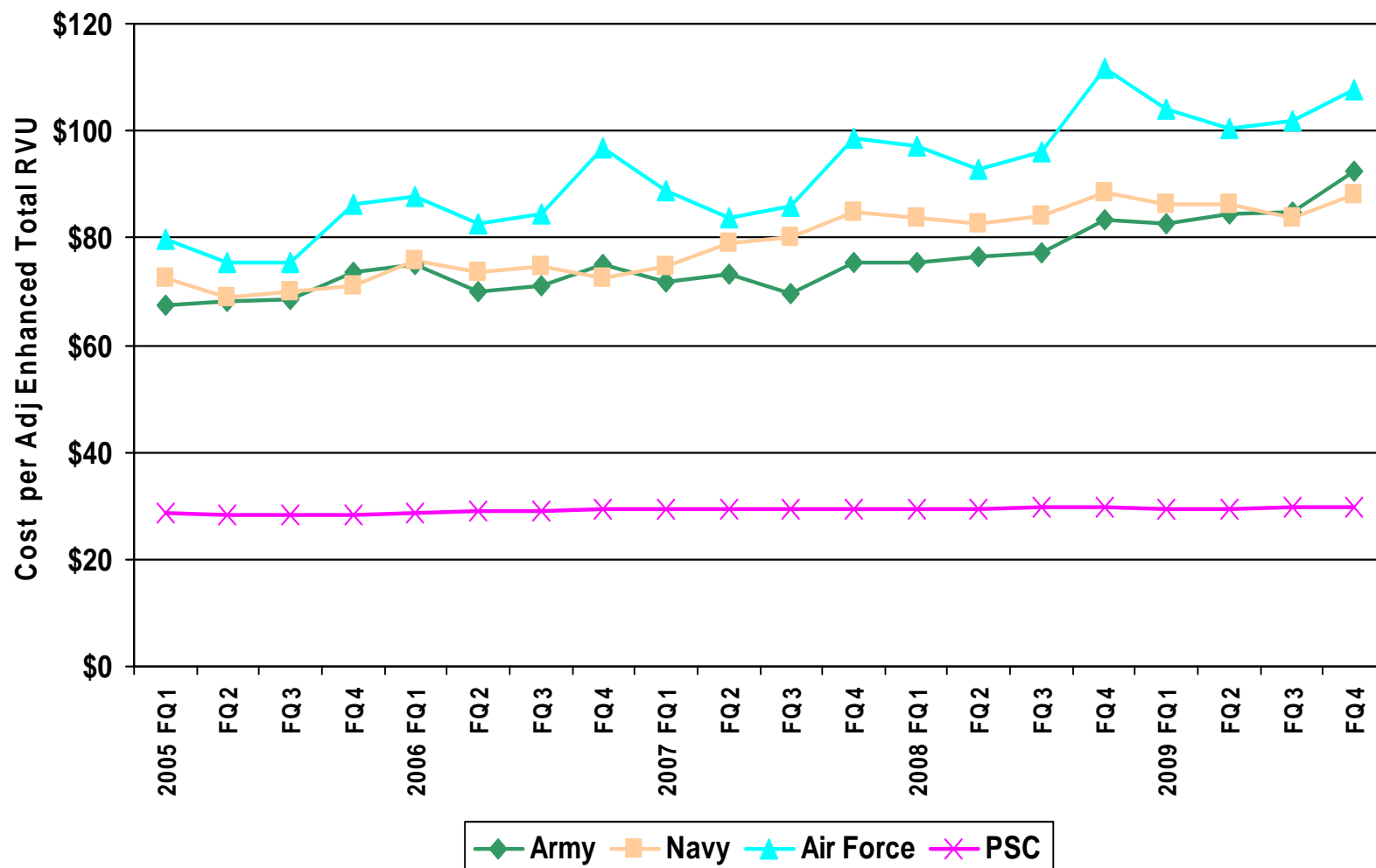


Top 25 Primary Diagnosis with increases			2006		2009		FY06/09 RVU Change	
MDC	Adj BenGr	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
8	AD	7242 LUMBAGO	41.98	26.27	63.37	40.88	21.39	50.9%
		71946 JOINT PAIN-L/LEG	32.56	21.74	49.27	32.95	16.71	51.3%
		71941 JOINT PAIN-SHLDER	15.31	10.76	26.78	19.11	11.47	74.9%
		72252 LUMB/LUMBOSAC DISC DEGEN	11.91	3.63	18.86	5.58	6.95	58.4%
		V537 FITTING AND ADJUSTMENT OF ORTH	9.33	2.78	15.93	4.79	6.61	70.8%
		7231 CERVICALGIA	12.98	7.78	19.45	12.00	6.46	49.8%
		V521 FIT & ADJ ARTIFICIAL LEG	0.00	0.00	4.96	0.17	4.96	N/A
		71947 JOINT PAIN-ANKLE	9.54	6.03	13.61	8.67	4.08	42.7%
		7213 LUMBOSACRAL SPONDYLOSIS	4.38	1.17	8.42	1.69	4.05	92.5%
		7295 PAIN IN LIMB	13.79	8.04	17.77	10.22	3.98	28.9%
		7262 SHOULDER REGION DIS NEC	4.88	1.30	8.46	2.79	3.59	73.6%
		71945 JOINT PAIN-PELVIS	4.59	3.01	8.16	5.34	3.57	77.7%
		7248 OTHER BACK SYMPTOMS	1.15	0.38	4.63	1.66	3.48	302.3%
		72210 LUMBAR DISC DISPLACEMENT	14.77	3.85	18.14	5.15	3.38	22.9%
		7244 LUMBOSACRAL NEURITIS NOS	8.87	3.45	12.12	4.97	3.24	36.6%
		8407 SUPERIOR GLENOID LABRUM LESION	4.97	1.24	7.90	2.22	2.93	58.8%
		72871 PLANTAR FIBROMATOSIS	11.55	5.08	14.37	5.88	2.82	24.4%
		7241 PAIN IN THORACIC SPINE	4.20	2.61	6.45	3.72	2.25	53.6%
		71943 JOINT PAIN-FOREARM	3.59	2.18	5.64	3.30	2.05	57.1%
		7393 SOMAT DYSFUNC LUMBAR REG	6.92	3.50	8.78	5.36	1.87	27.0%
		7210 CERVICAL SPONDYLOSIS	2.66	0.68	4.49	0.98	1.83	68.8%
		8449 SPRAIN OF KNEE AND LEG NOS	6.76	4.60	8.43	5.34	1.67	24.8%
		84500 SPRAIN OF ANKLE NOS	10.12	6.57	11.74	7.03	1.62	16.0%
		7392 SOMAT DYSFUNC THORAC REG	3.58	1.91	5.15	3.31	1.57	43.9%
		71887 JT DERANGEMENT NEC-ANKLE	1.70	0.34	3.15	1.00	1.45	85.4%
		AD Total		242.07	128.89	366.03	194.10	123.96
8 Total			242.07	128.89	366.03	194.10	123.96	51.2%



# **3. DIRECT CARE UNIT COSTS**

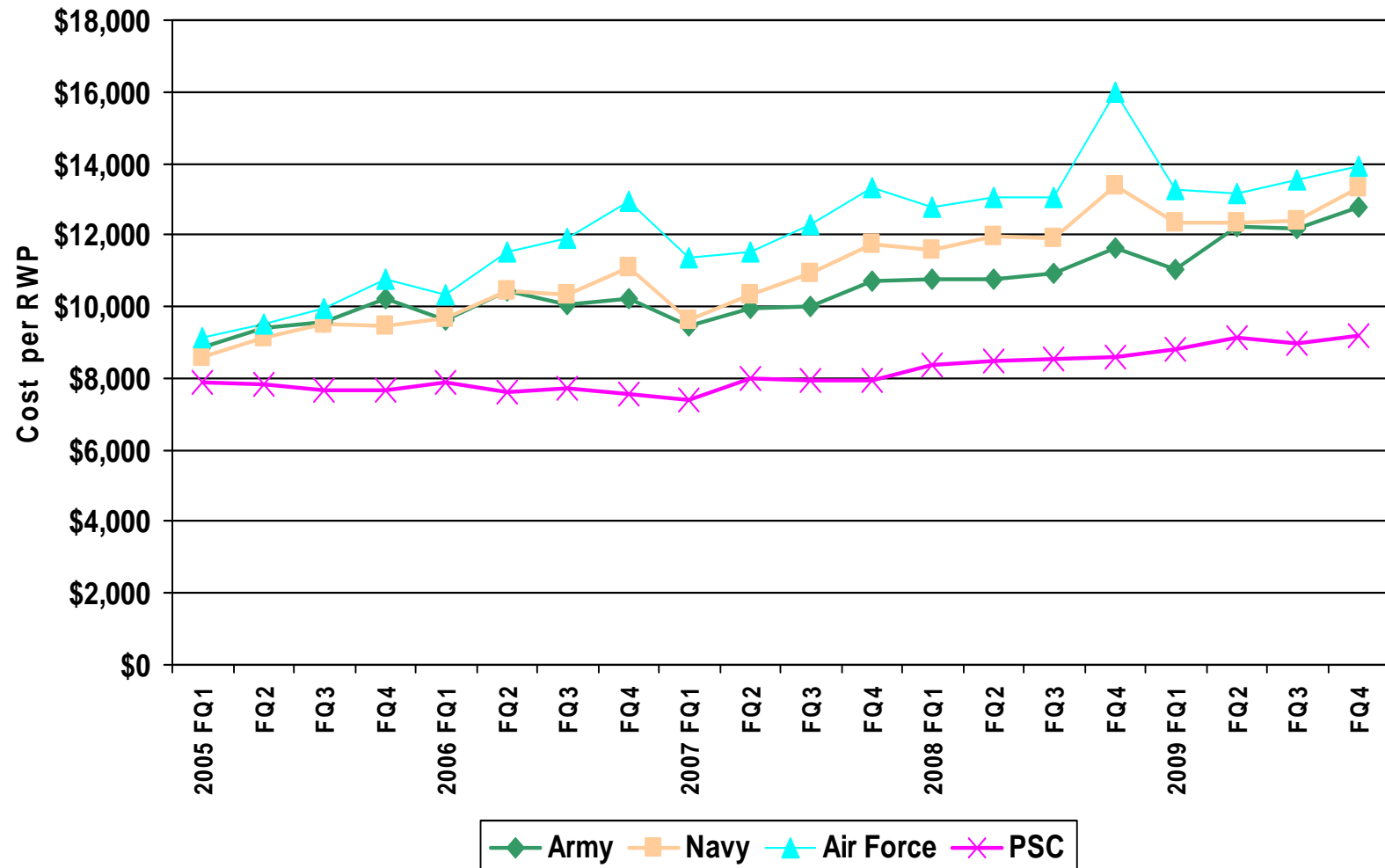
# Cost per Adjusted Total RVU



Average Annual % increase: Army: 5.98% Navy: 6.02% Air Force: 8.24% PSC: 0.78%



# Cost per RWP



Average Annual % Increase: Army: 7.11% Navy: 9.26% AF: 10.26% PSC: 4.37%



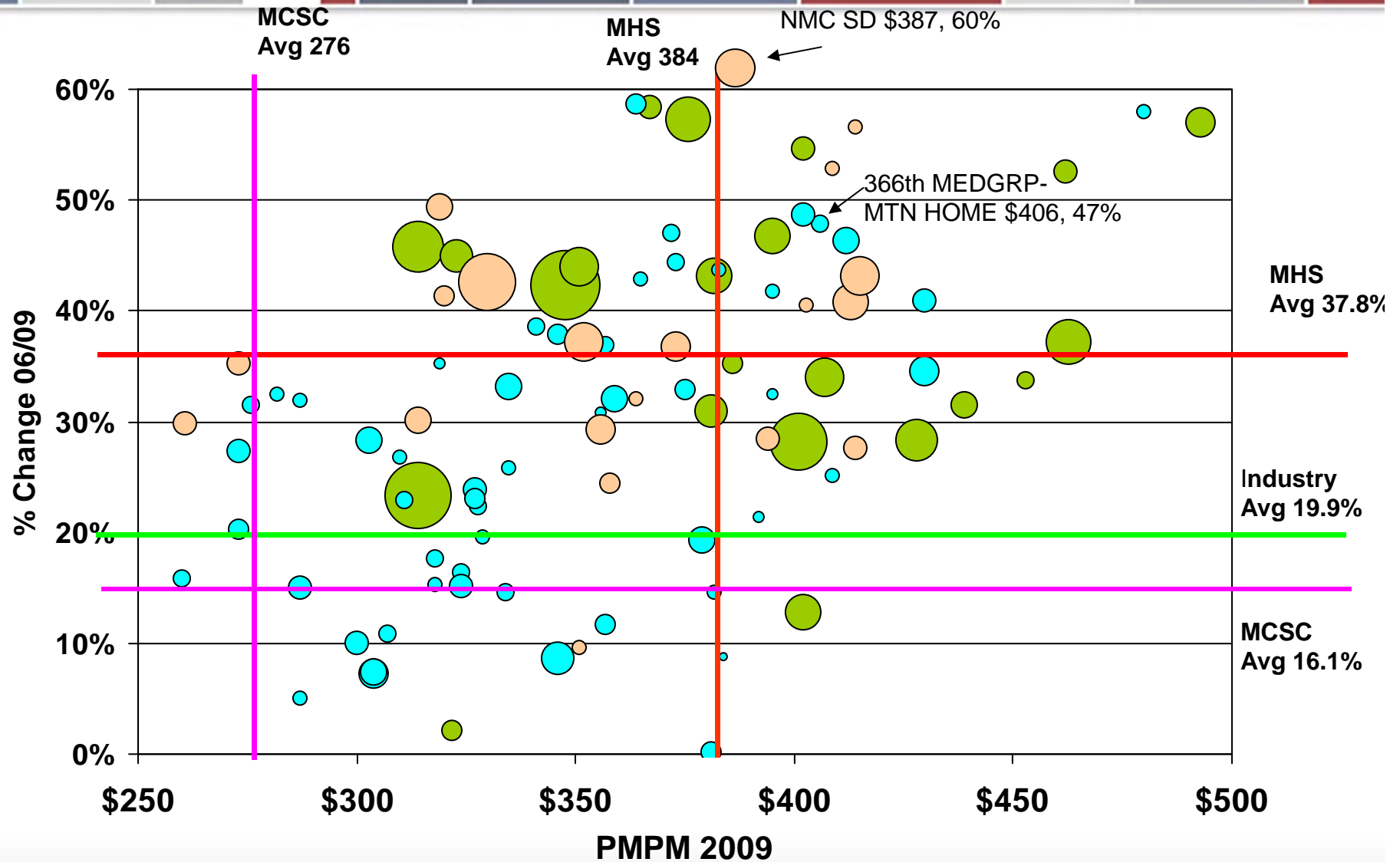
# A CASE STUDY

# PMPM Comparison for Services

AD MTF Prime Enrollee



Ft Knox \$527, 96%



NOTE: Size of circle is in proportion to # of enrollees  
2011 MHS Conference

Army AF Navy

# Changes for key PMPM indicators FY06/09



Changes from FY06/09

		MCSC Enrollee	DC Enrollee	0061 Knox	0029 SD	0053 MtnHome
Cost	AD PMPM Increase	16%	37%	96%	60%	47%
	Non-AD PMPM Increase	17%	22%	28%	41%	26%
	APG Cost Increase		23%	30%	29%	43%
Utilization	AD MDC-08 Ortho Increase	3%	37%	79%	43%	-10%
	Non-AD MDC-08 Ortho Increase	24%	43%	38%	114%	7%
	All Enrolled ER Utilization Increase	24%	29%	11%	52%	-74%
	AD MDC-23 Health Status Increase	26%	19%	53%	70%	5%
	AD MDC-19 MH Increase	1%	91%	253%	99%	68%
	NADD Rx Mkt Share Decrease	-3%	-2%	0%	-1%	-2%

# Summary Finding at Select MTFs



## ■ San Diego

- *Total utilization* is the main driver
- Non-AD Ortho utilization increase ( #1 Dx Lumbago, however below MHS non-AD average by 58%; lower leg, shoulder and *spasm of muscle* other drivers, as with AD)
- AD Ortho utilization increase (#1 Dx Lumbago, again with visits approx 38% lower than MHS AD in 2009; lower leg, shoulder and *spasm of muscle* other large drivers)
- MDC 23 AD increase [#1 Dx Care Involving Other Physical” (141% higher utilization vs MHS AD) and PHA increases are main drivers]
- Increase in ER utilization by all enrollees; increases appear to be in primary-care related conditions



# Summary



- The gap is growing in PMPM for those enrolled to an MTF vice those enrolled to Civilian PCMs
- Purchased Care unit costs growing at significantly lower rates than MTF unit costs
  - OPPS, in particular, has lowered PC unit costs
- Growth most pronounced with Active Duty members enrolled to an MTF
  - Some is clearly the consequences of the war
    - PTSD, pre and post deployment exams
  - However, utilization growth warrants further study
- PMPM at three sites with high PMPM increases show significant variation in root causes



# BACKUPS

# All Enrollee AD MDC-19 MH



Top 25 Primary Diagnosis with increases

Top 25 Primary Diagnosis with increases			2006		2009		FY06/09 RVU Change	
MDC	Adj BenGr	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
19	AD	30981 POSTTRAUMATIC STRESS DISORDER	15.01	5.70	55.55	23.02	40.54	270.0%
		30000 ANXIETY STATE NOS	8.95	3.54	22.31	9.39	13.36	149.3%
		30928 ADJMT DIS,MIX ANXTY & DPRSD MD	12.87	4.58	22.75	8.88	9.89	76.8%
		311 DEPRESSIVE DISORDER NEC	15.90	6.34	25.00	10.86	9.10	57.2%
		3099 ADJUSTMENT REACTION NOS	4.16	1.47	10.07	4.09	5.91	142.3%
		30924 ADJUSTMENT DISORDER W ANXIETY	4.15	1.54	8.85	3.47	4.70	113.1%
		3090 ADJMT DISORDER W DEPRESSD MOOD	11.09	4.00	15.76	6.26	4.67	42.2%
		78052 INSOMNIA, UNSPECIFIED	2.31	1.26	6.67	3.43	4.36	189.0%
		2949 UNSP PRSISTNT MNTL DISORDR,CCE	0.77	0.20	5.02	1.57	4.25	551.1%
		3004 DYSTHYMIC DISORDER	6.75	2.45	9.86	3.95	3.12	46.2%
		31401 ATTN DEFICIT W HYPERACT	1.48	0.60	4.11	1.86	2.62	176.7%
		3094 ADJMT DIS,MIX DSTRB,EMTN & CND	2.41	0.88	4.97	1.96	2.56	105.9%
		78050 SLEEP DISTURBANCE NOS	2.59	0.46	4.52	0.84	1.92	74.3%
		29633 RECUR DEPR PSYCH-SEVERE	1.85	0.72	3.70	1.65	1.85	99.8%
		29690 UNSPEC EPISODIC MOOD DISORDER	0.85	0.33	2.55	1.11	1.69	198.0%
		29630 RECURR DEPR PSYCHOS-UNSP	4.08	1.52	5.58	2.37	1.51	36.9%
		30742 PERSISTENT INSOMNIA	1.24	0.52	2.67	1.09	1.43	114.6%
		29632 RECURR DEPR PSYCHOS-MOD	4.06	1.51	5.37	2.23	1.32	32.4%
		30002 GENERALIZED ANXIETY DIS	3.60	1.37	4.87	1.99	1.26	35.1%
		30929 ADJ REACT-EMOTION NEC	0.79	0.29	2.02	0.73	1.23	155.9%
		V7109 OBSERVATION OF OTHER SUSPECTED	11.50	4.41	12.56	5.31	1.06	9.2%
		29622 DEPRESSIVE PSYCHOSIS-MOD	1.81	0.67	2.85	1.14	1.04	57.2%
		78054 HYPERSOMNIA, UNSPECIFIED	0.89	0.14	1.85	0.28	0.96	107.4%
		29600 BP I DISORD,1 MNIC EPISD,UNSPC	0.33	0.14	1.23	0.51	0.90	276.6%
		29623 DEPRESS PSYCHOSIS-SEVERE	1.12	0.43	1.99	0.93	0.88	78.3%
		AD Total		120.56	45.08	242.68	98.91	122.12
19 Total			120.56	45.08	242.68	98.91	122.12	101.3%



# All Enrollee AD MDC-23 Health Status

## Top 25 Primary Diagnosis with increases

Top 25 Primary Diagnosis with increases			2006		2009		FY06/09 RVU Change	
MDC	Adj BenGrp	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
23	AD	V705 HEALTH EXAMINATION OF DEFINED NATURE	300.25	145.90	365.21	196.36	64.96	21.6%
		V0481 NEED PROPHYL VACC&INOCUL INFL	6.65	6.50	21.33	17.81	14.68	220.9%
		V6809 OTH ISSUE OF MED CERTIFICATES	-	-	12.32	9.95	12.32	N/A
		V5878 AFTERC FOLL SURG,MUSCULOSK,NEC	8.28	4.49	20.20	11.50	11.93	144.1%
		V689 ENCOUNTERS FOR UNSPECIFIED ADM	10.33	17.34	21.06	45.66	10.72	103.8%
		V5871 AFTERCAR FOLL SRG,SENS ORG,NEC	3.54	1.73	10.90	4.50	7.36	208.0%
		7999 8 OTH UNK/UNSP MORBIDITY NO	2.14	0.80	7.76	3.41	5.61	261.9%
		V571 CARE INVOLVING OTHER PHYSICAL	162.42	87.32	167.76	97.54	5.34	3.3%
		V7283 OTH SPEC PRE-OP EXAM	9.87	2.85	15.17	4.57	5.31	53.8%
		V529 FITTING AND ADJUSTMENT OF UNSP	0.21	0.03	5.29	0.40	5.08	N/A
		V039 NEED PROPHYLACTIC INOCULATION,	0.44	0.19	4.83	1.30	4.39	999.9%
		V031 NEED PROPHYLACTIC VACCINATION	1.93	0.85	5.95	2.21	4.02	208.1%
		V741 SCREENING EXAMINATION FOR PULM	5.70	5.16	9.42	11.36	3.72	65.4%
		V5721 ENCTR FOR OCCUPATIONAL THERAPY	18.96	9.09	22.64	12.22	3.68	19.4%
		78093 MEMORY LOSS	0.64	0.19	3.77	1.28	3.12	485.1%
		V7231 ROUTINE GYNECOLOGICAL EXAM	32.48	9.38	35.01	9.98	2.53	7.8%
		V7284 PRE-OP EXAM, UNSPECIFIED	2.78	0.83	5.18	1.59	2.40	86.2%
		V6229 OCCUPATIONL CIRCUMST NEC	-	-	2.19	0.83	2.19	N/A
		V053 NEED PROPHYLACTIC VACCINATION	5.49	1.78	7.48	2.62	1.99	36.3%
		V719 OBSERVATION FOR UNSPECIFIED SU	0.63	0.32	2.58	0.93	1.95	311.2%
		V5883 THERAPEUTIC DRUG MONITOR	0.58	0.60	2.51	1.86	1.92	330.5%
		V251 INSERTION OF INTRAUTERINE CONT	1.50	0.29	3.35	0.54	1.85	123.6%
		V4989 3 CASE MANAGEMENT, NEC AND NOS	-	-	1.82	3.95	1.82	N/A
		V812 SCREEN,OTHER &UNSPEC CARDIOVAS	2.41	1.31	4.21	3.00	1.80	74.6%
		V6709 FOLLOW-UP SURGERY NEC	9.18	3.33	10.85	3.12	1.67	18.2%
	AD Total		586.40	300.26	768.77	448.47	182.38	31.1%
23 Total			586.40	300.26	768.77	448.47	182.38	31.1%

Note: These exceed the total for MDC23 because other diagnosis are negative and there are code changes from 2006/2009 that result in data only being reported in FY09 for some codes

# All Enrollee AD MDC-23 Health Status

## V705 Break out



V705 Diagnosis Code Detail - In descending order by Change in RVUs			2006		2009		FY06/09 RVU Change	
MDC	Adj BenGrp	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
23	AD	V705 2 PERIODIC HEALTH ASSESSMENTS (PHA)	49.42	27.48	113.21	59.60	63.79	129.1%
		V705 D PRE-DEPLOYMENT ASSESSMENT	0.00	0.00	39.77	22.07	39.77	N/A
		V705 E INITIAL POST-DEPLOYMENT ASSESSMENT	0.00	0.00	14.56	13.68	14.56	N/A
		V705 F POST DEPLOYMENT HEALTH REASSESSMENT (PDHRA	0.01	0.00	12.13	10.67	12.13	N/A
		V705 7 DUTY STATUS DETERMINATION ENCOUNTER	8.21	4.21	15.65	8.57	7.44	90.6%
		V705 3 OCCUPATIONAL EXAM	15.47	7.93	19.53	11.01	4.06	26.3%
		V705 H OTHER EXAM DEFINED POPULATION	-	-	3.34	1.56	3.34	N/A
		V705 1 AVIATION EXAM	29.37	9.80	32.31	11.54	2.94	10.0%
		V705 A HEALTH EXAM OF DEFINED SUBPOPULATIONS	0.59	0.32	3.34	2.20	2.75	470.5%
		V705 9 SEPARATION/TERMINATION/RETIREMENT EXAM	14.77	6.80	16.74	8.25	1.97	13.3%
		V705 8 SPECIAL PROGRAM ACCESSION ENCOUNTER	1.17	0.50	2.80	1.19	1.64	140.6%
		V705 C PHYSICAL READINESS TEST (PRT) EVALUATION	0.00	0.00	1.49	0.93	1.48	N/A
		V705 B ABBREVIATED SEPARATION/TERMINATION/RETIREMENT EXAM	1.60	0.78	2.97	1.53	1.37	86.1%
		V705 G GLOBAL WAR ON TERRORISM/WOUNDED WARRIORS	-	-	0.97	0.60	0.97	N/A
		V705 5 INTRA-DEPLOYMENT ENCOUNTER	2.30	1.27	0.64	0.38	(1.66)	-72.1%
		V705 0 ARMED FORCES MEDICAL EXAM	20.10	9.76	16.59	7.88	(3.51)	-17.4%
		V705 HEALTH EXAMINATION OF DEFINED NATURE	7.55	4.94	0.08	0.04	(7.47)	-98.9%
		V705 4 PRE-DEPLOYMENT RELATED ENCOUNTER	59.33	30.80	23.70	13.53	(35.63)	-60.1%
		V705 6 POST-DEPLOYMENT RELATED ENCOUNTER	90.36	41.30	45.38	21.12	(44.99)	-49.8%
		AD Total		300.25	145.90	365.21	196.36	64.96
23 Total			300.25	145.90	365.21	196.36	64.96	21.6%

Note: Only Direct Care breaks out the V705 codes into more detail. Purchased care remains as the summary V705 HEALTH EXAMINATION OF DEFINED NATURE.

Pre/Post Deployment Encounters are mixed codes over the years and are highlighted. Overall there was a net increase of 4 per100 for Pre-Deployment and decrease of 18 per 100 for Post-Deployment

# All Enrollee AD MDC-23 Health Status V705 Break out by Provider Type



V705 Diagnosis by Provider Type			2006		2009		FY06/09 RVU Change	
MDC	Adj BenGrp	Provider Grp	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
23	AD	Optom	24.46	7.19	65.21	15.29	40.75	166.6%
		NP/PA	88.23	44.87	122.50	72.10	34.28	38.8%
		Other	36.58	12.12	43.66	20.72	7.08	19.4%
		Physician	94.00	39.83	100.15	47.56	6.16	6.5%
		Nurse	7.24	6.78	8.77	8.25	1.54	21.2%
		Rx	0.00	0.00	0.72	0.27	0.72	N/A
		#N/A	7.07	2.94	0.99	0.45	(6.08)	-86.0%
		Tech	42.67	32.17	23.19	31.72	(19.48)	-45.7%
		AD Total		300.25	145.90	365.21	196.36	64.96
23 Total			300.25	145.90	365.21	196.36	64.96	21.6%



# All Enrollee AD ER Prod



Top 25 Primary Diagnosis with increases

Top 25 Primary Diagnosis with increases				2006		2009		FY06/09 RVU Change	
Prod	Adj BenGr	Diag Desc	MDC	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
ER	AD	7840 HEADACHE	1	3.41	1.16	4.40	1.97	1.00	29.2%
		78060 FEVER, UNSPECIFIED	18	-	-	0.99	0.54	0.99	N/A
		V719 OBSERVATION FOR UNSPECIFIED SU	23	0.02	0.05	0.90	0.38	0.87	N/A
		78650 CHEST PAIN, UNSPECIFIED	5	3.58	1.42	4.42	2.31	0.84	23.5%
		4659 ACUTE URI NOS	3	1.01	0.79	1.85	1.42	0.84	82.8%
		78909 ABDOMINAL PAIN, OTH SPEC	6	1.42	0.53	2.21	1.01	0.79	55.7%
		7802 SYNCOPE AND COLLAPSE	5	1.23	0.52	1.81	1.05	0.58	47.3%
		78703 VOMITING WITHOUT NAUSEA	6	1.28	0.56	1.85	0.98	0.57	44.1%
		7242 LUMBAGO	8	1.77	1.05	2.31	1.58	0.54	30.7%
		78701 NAUSEA WITH VOMITING	6	1.04	0.47	1.55	0.96	0.51	49.6%
		311 DEPRESSIVE DISORDER NEC	19	0.52	0.27	1.00	0.50	0.48	93.8%
		78903 ABDOM PAIN,R LOWER QUADRA	6	0.79	0.25	1.26	0.48	0.47	59.1%
		78900 ABDOM PAIN,UNSPECIFIED SI	6	3.23	1.03	3.69	1.60	0.46	14.1%
		33818 OTH ACUTE POSTOPERATIVE PAIN	23	-	-	0.45	0.30	0.45	N/A
		462 ACUTE PHARYNGITIS	3	1.75	1.20	2.20	1.66	0.45	25.9%
		4660 ACUTE BRONCHITIS	4	0.54	0.37	0.98	0.86	0.44	80.6%
		07999 UNSPECIFIED VIRAL INFECTIONS	18	0.91	0.52	1.34	0.91	0.43	47.2%
		34690 MIGRAINE, UNSPEC,WO INTRACTABL	1	1.26	0.52	1.69	1.06	0.43	34.0%
		486 PNEUMONIA, ORGANISM NOS	4	0.50	0.22	0.91	0.54	0.41	80.4%
		95901 HEAD INJURY, UNSPECIFIED	21	0.78	0.20	1.16	0.39	0.38	49.1%
		4871 FLU W RESP MANIFEST NEC	3	0.09	0.06	0.42	0.31	0.33	375.7%
		490 BRONCHITIS NOS	4	0.43	0.30	0.74	0.57	0.31	72.0%
		64683 PREG COMPL NEC-ANTEPART	14	0.31	0.12	0.62	0.27	0.31	99.0%
		8472 SPRAIN LUMBAR REGION	8	0.72	0.50	1.02	0.89	0.31	42.5%
	78097 ALTERED MENTAL STATUS	23	-	-	0.30	0.10	0.30	N/A	
	AD Total			26.58	12.12	40.06	22.62	13.48	50.7%
ER Total				26.58	12.12	40.06	22.62	13.48	50.7%



# MTF Production Unit Cost

## (Inpatient/Outpatient Cost per RWP/APG)

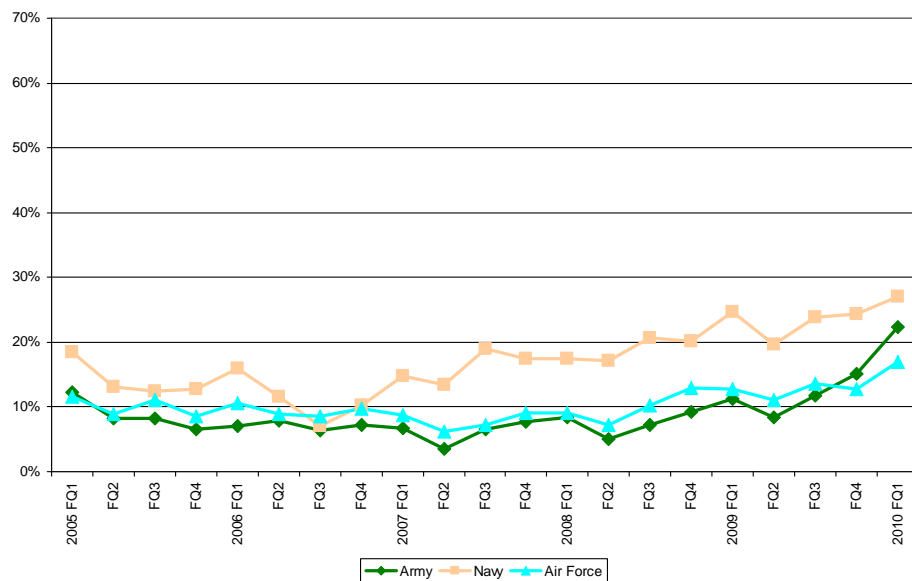


- Cost of producing one weighted unit of care at each MTF
  - RWP/APG are the common weighted unit for MHS
  - Based on all care produced at MTF
    - This includes Active Duty, Prime, Standard, Tricare for Life
  - Total RWP/APGs are summed for all categories of care
- Expense data is from MEPRS
  - Inpatient/Outpatient is based on MEPRS A/B codes with step downs
    - Depreciation costs are removed
    - Pharmacy is removed from MEPRS B costs
  - Labor expense is based only on current month
  - All other expenses are based on Rolling 12 month
- Total Expenses are divided by RWP/APGs to get
  - MTF Production Unit Cost

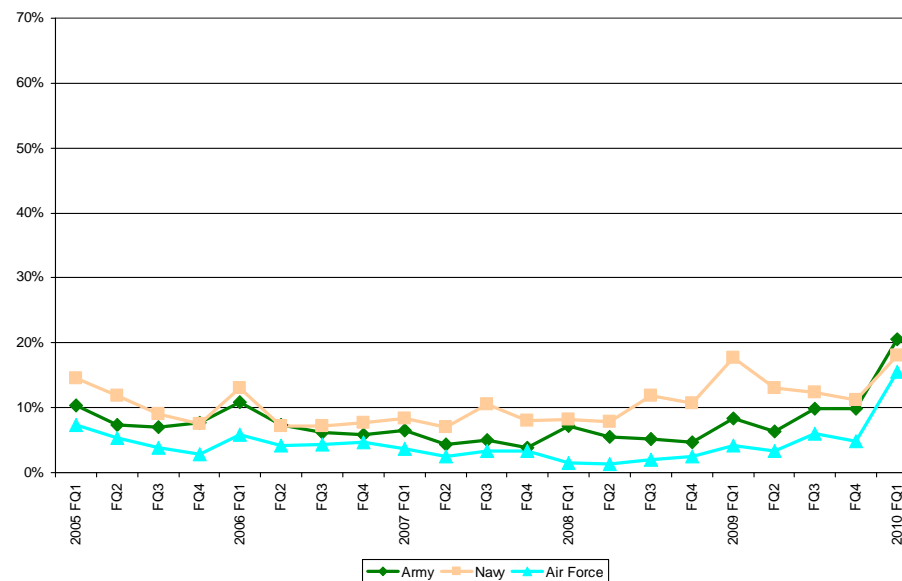
# Direct Care Enrollee Difference compared to MCSC Enrollees



## Active Duty Family Members



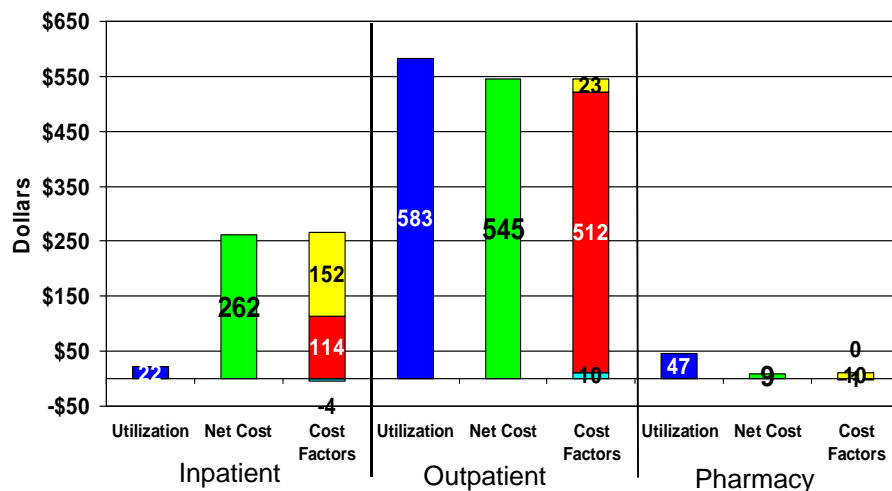
## Retiree and Family Members



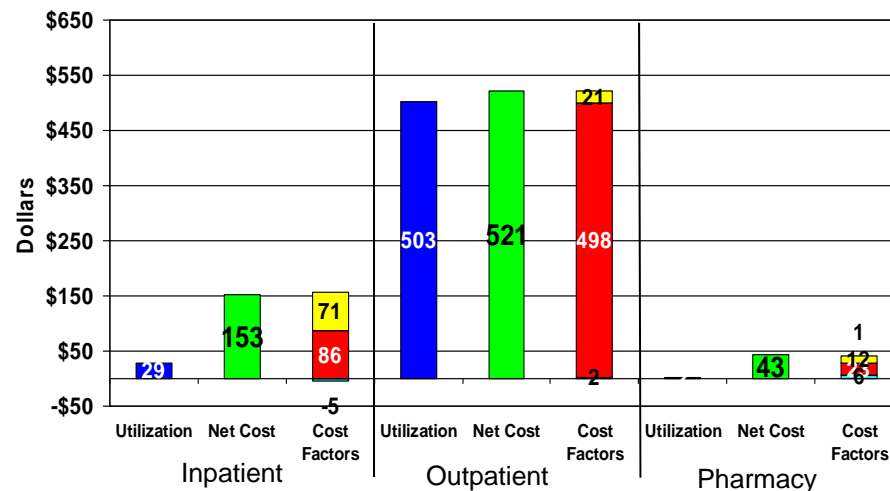
# Active Duty Prime Enrollee PMPY Increase Factors (FY06-FY09)



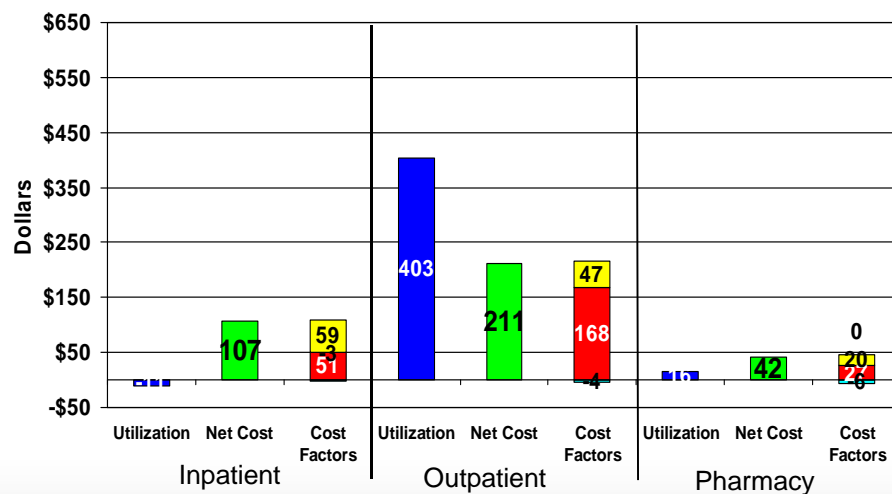
Army



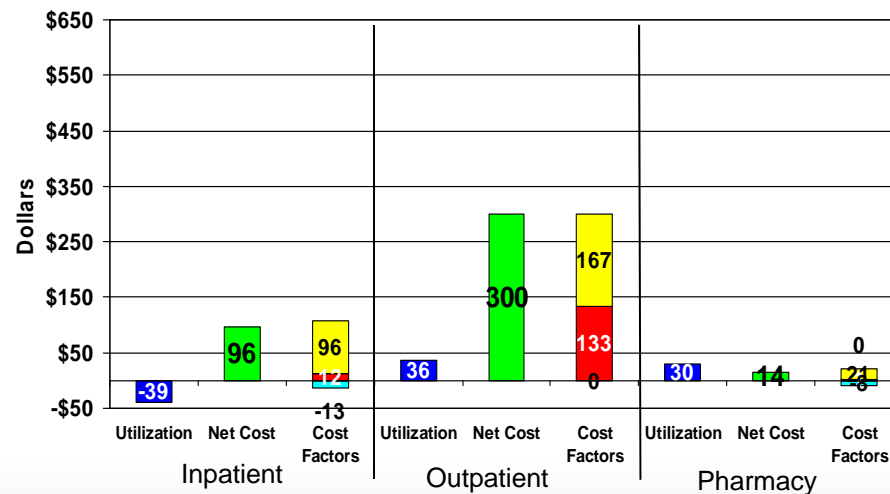
Navy



Air Force



MCSC



2011 MHS Reference Net Cost Market Share DC Unit Cost PSC Unit Cost TMOP Unit Cost

# Summary Finding at Select MTFs



## ■ Ft Knox

- AD enrolled population decreased 29% from 11K to 7.8K
- *AD utilization* appears to be the driver
  - MH utilization increase (#1 Dx PTSD, 65 visits/100, approx 321% higher in 2009 than MHS AD; anxiety, depressive and adjustment disorders also drivers of the increase)
  - Ortho utilization increase (#1 Dx Lumbago, visits approx 50% higher in 2009 than MHS AD ; predominate are other low back and lower extremity diagnoses increases)
  - MDC 23 AD increase(#1 Dx Post Deployment Related Encounters, PHA increases and “Care Involving Other Physical” predominately)

# Summary Finding at Select MTFs

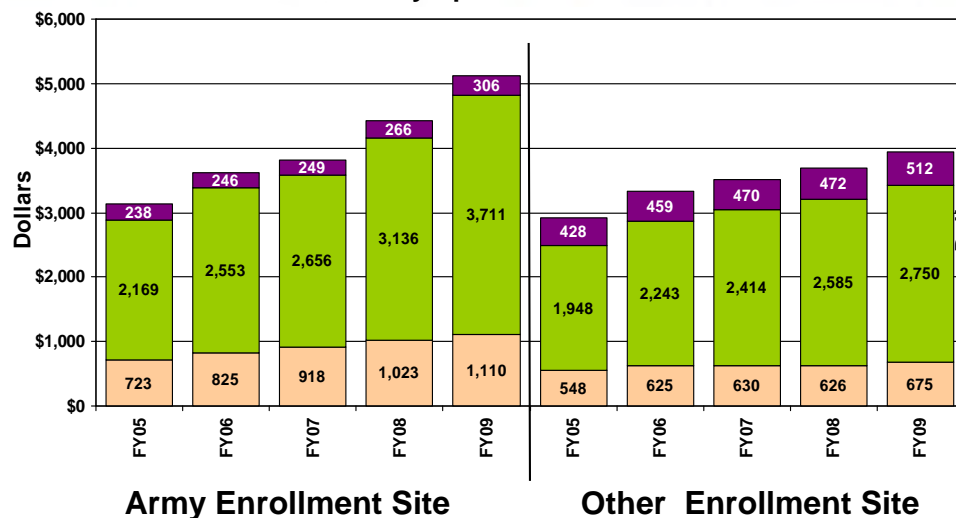


- Mountain Home
  - *Total cost* is the main driver
  - Utilization actually decreases for AD Ortho and all enrollee ER
  - However, 43% increase in APG cost

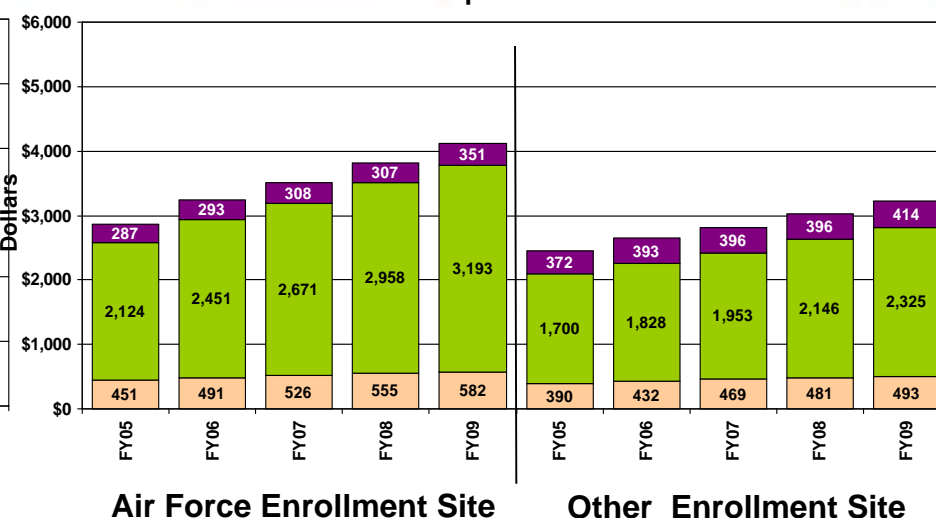
# Active Duty Prime Enrollee PMPY Comparison by Sponsor Service and Enrollment Site



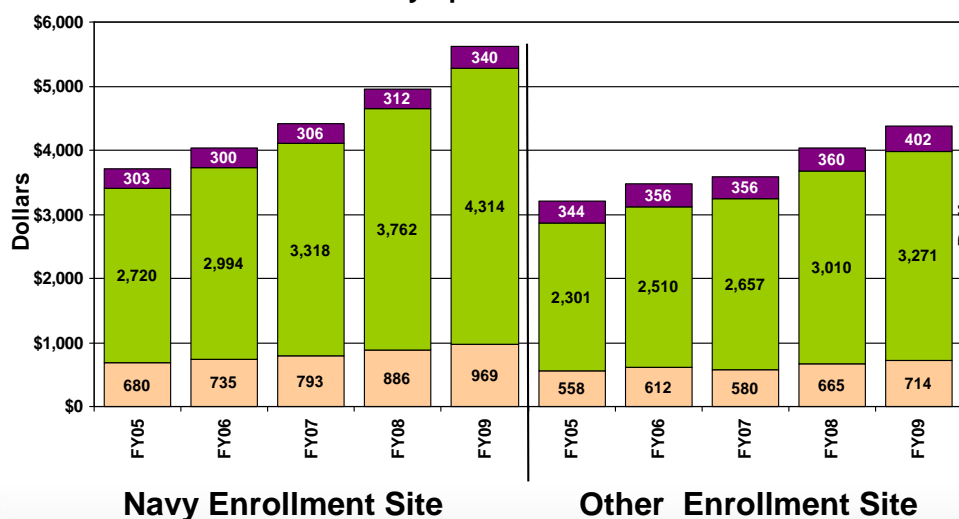
Army Sponsor Service



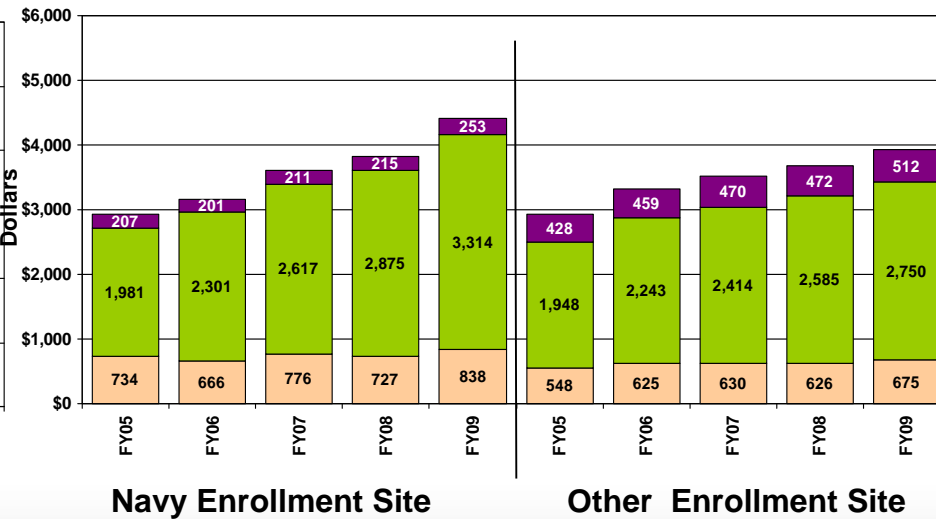
Air Force Sponsor Service



Navy Sponsor Service




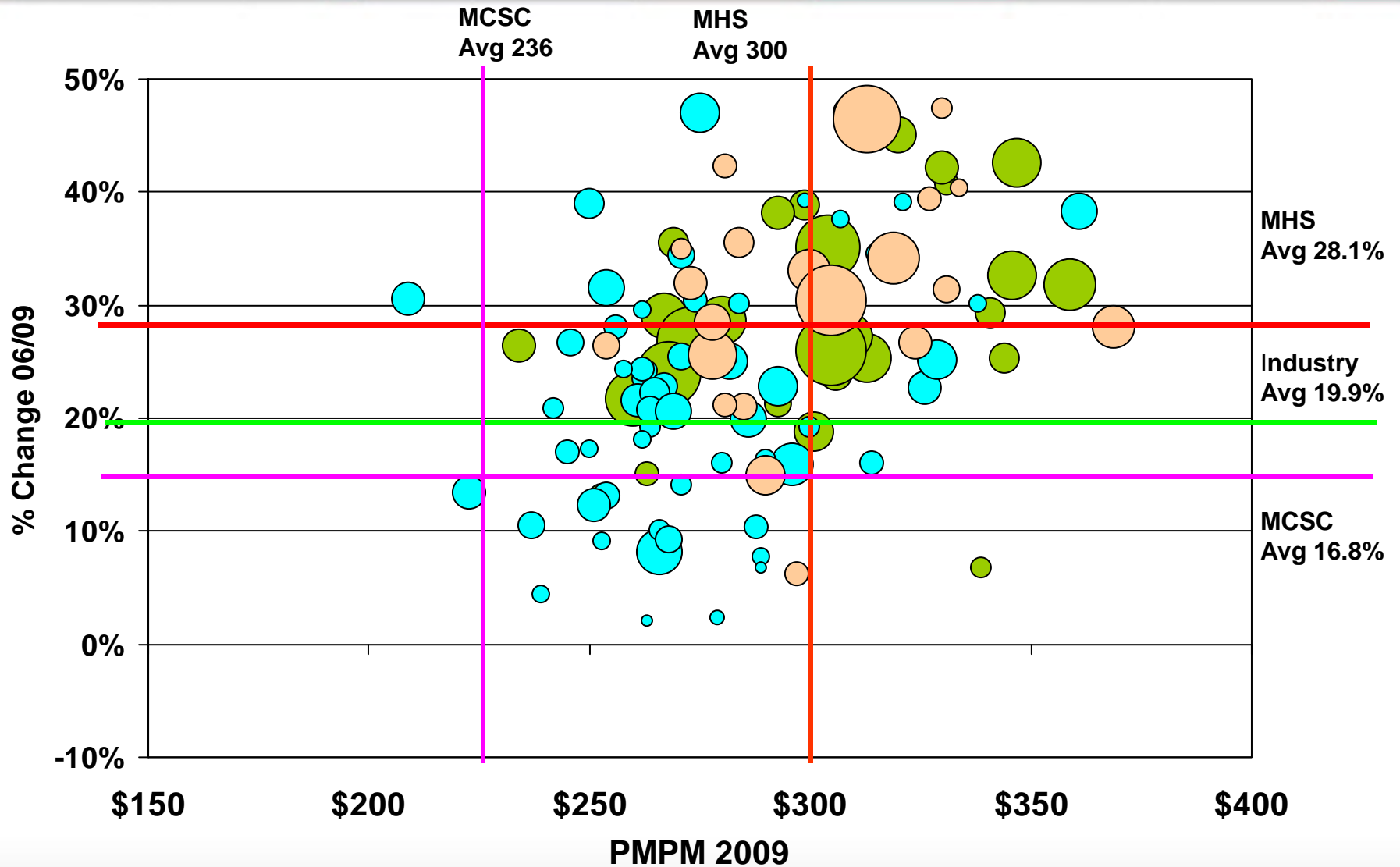
Marine Sponsor Service



# PMPM Comparison for Services

MTF Prime Enrollee

  
Wiltord Hall  
\$505, 80%  
increase



NOTE: Size of circle is in proportion to # of enrollees  
2011 MHS Conference

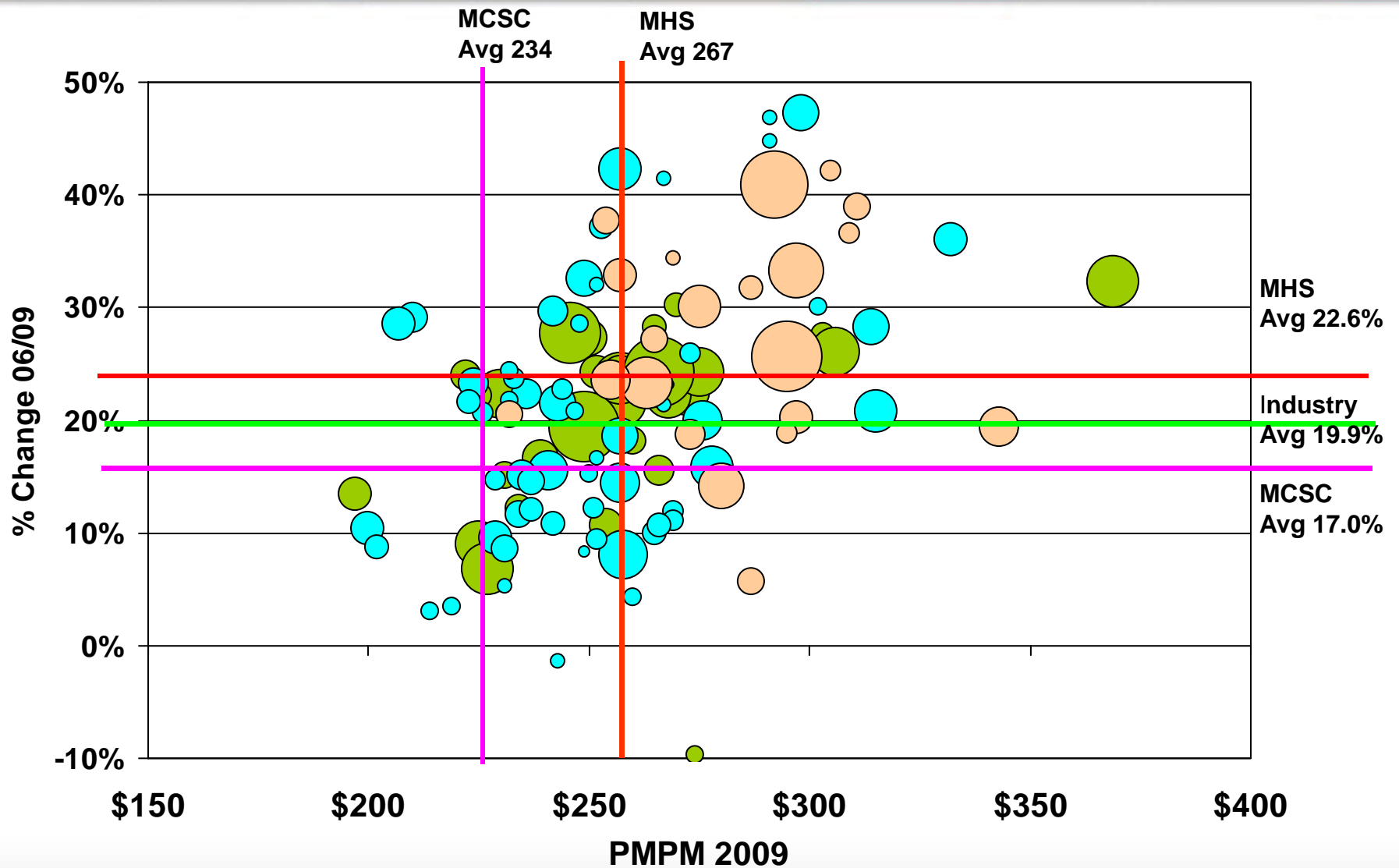
● Army ● AF ● Navy



# PMPM Comparison for Services

Non-AD MTF Prime Enrollee

  
Wiltord Hall  
\$499, 80%  
increase



NOTE: Size of circle is in proportion to # of enrollees  
2011 MHS Conference

● Army ● AF ● Navy

# Army Site Information



## Army Sites

Enr Parent	Parent Name	PMPM 09	% 06/09	Eq Lives
1	FOX AHC-REDSTONE ARSENAL	263	15.1%	12,936
3	LYSTER AHC-FT. RUCKER	253	12.9%	18,449
5	BASSETT ACH-FT. WAINWRIGHT	341	29.3%	20,978
8	R W BLISS AHC-FT. HUACHUCA	331	40.7%	15,114
32	EVANS ACH-FT. CARSON	346	32.6%	53,320
37	WALTER REED AMC-WASHINGTON DC	610	40.2%	30,161
47	EISENHOWER AMC-FT. GORDON	313	25.2%	51,207
48	MARTIN ACH-FT. BENNING	267	29.0%	48,877
49	WINN ACH-FT. STEWART	280	28.6%	52,626
52	TRIPLER AMC-FT SHAFTER	359	31.7%	58,575
57	IRWIN ACH-FT. RILEY	301	18.7%	33,168
58	MUNSON AHC-FT. LEAVENWORTH	293	21.2%	19,508
60	BLANCHFIELD ACH-FT. CAMPBELL	260	21.7%	67,356
61	IRELAND ACH-FT. KNOX	320	45.1%	30,784
64	BAYNE-JONES ACH-FT. POLK	344	25.3%	20,680
69	KIMBROUGH AMB CAR CEN-FT MEADE	309	27.1%	47,796
75	L. WOOD ACH-FT. LEONARD WOOD	306	23.9%	25,365
86	KELLER ACH-WEST POINT	299	38.8%	20,946
89	WOMACK AMC-FT. BRAGG	273	26.7%	102,959
98	REYNOLDS ACH-FT. SILL	330	42.1%	26,499
105	MONCRIEF ACH-FT. JACKSON	234	26.3%	24,281
108	WILLIAM BEAUMONT AMC-FT. BLISS	347	42.5%	54,820
109	BROOKE AMC-FT. SAM HOUSTON	454	50.4%	50,421
110	DARNALL AMC-FT. HOOD	304	35.1%	87,819
121	MCDONALD AHC-FT. EUSTIS	303	29.6%	28,027
122	KENNER AHC-FT. LEE	269	35.5%	20,642
123	DEWITT ACH-FT. BELVOIR	268	23.9%	90,926
125	MADIGAN AMC-FT. LEWIS	305	25.9%	106,136
131	WEED ACH-FT. IRWIN	339	6.8%	10,623
330	GUTHRIE AHC-FT. DRUM	293	38.1%	27,205
Grand Total		314	30.3%	1,258,200

# Navy Site Information



## Navy Sites

Enr Parent	Parent Name	PMPM 09	% 06/09	Eq Lives
24	NH CAMP PENDLETON	278	25.5%	53,336
28	NH LEMOORE	327	39.4%	14,728
29	NMC SAN DIEGO	313	46.4%	95,937
30	NH TWENTYNINE PALMS	297	6.1%	14,944
38	NH PENSACOLA	300	33.0%	43,832
39	NH JACKSONVILLE	319	34.1%	61,780
56	NHC GREAT LAKES	254	26.3%	16,827
67	NNMC BETHESDA	369	28.0%	43,156
68	NHC PATUXENT RIVER	334	40.4%	9,503
91	NH CAMP LEJEUNE	278	28.5%	32,665
92	NHC CHERRY POINT	285	21.0%	17,385
100	NAVAL HLTH CLINIC NEW ENGLAND	324	26.7%	27,792
103	NHC CHARLESTON	281	21.1%	14,254
104	NH BEAUFORT	330	47.4%	11,489
118	NHC CORPUS CHRISTI	331	31.4%	16,270
124	NMC PORTSMOUTH	305	30.4%	109,415
126	NH BREMERTON	290	14.9%	36,595
127	NH OAK HARBOR	281	42.2%	15,399
280	NHC HAWAII	273	31.9%	27,446
306	NHC ANNAPOLIS	271	35.0%	10,548
385	NHC QUANTICO	284	35.5%	20,045
Grand Total		304	31.4%	693,343

# Air Force Site Information

## Page 1



Air Force Sites

Enr Parent	Parent Name	PMPM 09	% 06/09	Eq Lives
4	42ND MEDICAL GROUP-MAXWELL	246	26.6%	19,324
6	3rd MED GRP-ELMENDORF	275	47.0%	35,680
9	56th MED GRP-LUKE	286	19.9%	31,250
10	355th MED GRP-DAVIS MONTHAN	223	13.3%	24,662
13	19th MEDICAL GROUP-LITTLE ROCK	237	10.5%	16,417
14	60th MED GRP-TRAVIS	296	15.9%	42,717
15	9th MED GRP-BEALE	253	9.1%	8,824
18	30th MED GRP-VANDENBERG	239	4.4%	8,443
19	95th MED GRP-EDWARDS	289	7.6%	8,165
33	10th MED GROUP-USAF ACADEMY CO	254	31.4%	29,396
36	436th MED GRP-DOVER	274	30.4%	13,921
42	96th MED GRP-EGLIN	293	22.8%	33,791
43	325th MED GRP-TYNDALL	254	13.1%	16,724
45	6th MED GRP-MACDILL	282	25.0%	32,140
46	45th MED GRP-PATRICK	271	34.4%	17,470
50	23rd MED GRP-MOODY	262	23.5%	10,026
51	78th MED GRP-ROBINS	271	25.3%	19,009
53	366th MED GRP-MOUNTAIN HOME	315	34.5%	11,240
55	375th MED GRP-SCOTT	251	12.3%	26,325
59	22nd MED GRP-MCCONNELL	264	19.2%	12,111
62	2nd MED GRP-BARKSDALE	267	22.8%	17,759
66	779th MED GRP-ANDREWS	361	38.2%	28,472
73	81st MED GRP-KEESLER	326	22.7%	26,256
74	14th MED GRP-COLUMBUS	299	39.2%	5,532
76	509th MED GRP-WHITEMAN	271	14.1%	10,908
77	341st MED GRP-MALMSTROM	280	16.1%	9,973
78	55th MED GRP-OFFUTT	261	21.5%	27,743
79	99th MED GRP-O'CALLAGHAN HOSP	266	8.1%	45,721
83	377th MED GRP-KIRTLAND	250	38.9%	20,848
84	49th MED GRP-HOLLOMAN	300	19.2%	10,136
85	27th SPEC OPS MED GRP-CANNON	285	35.8%	7,027

# Air Force Site Information

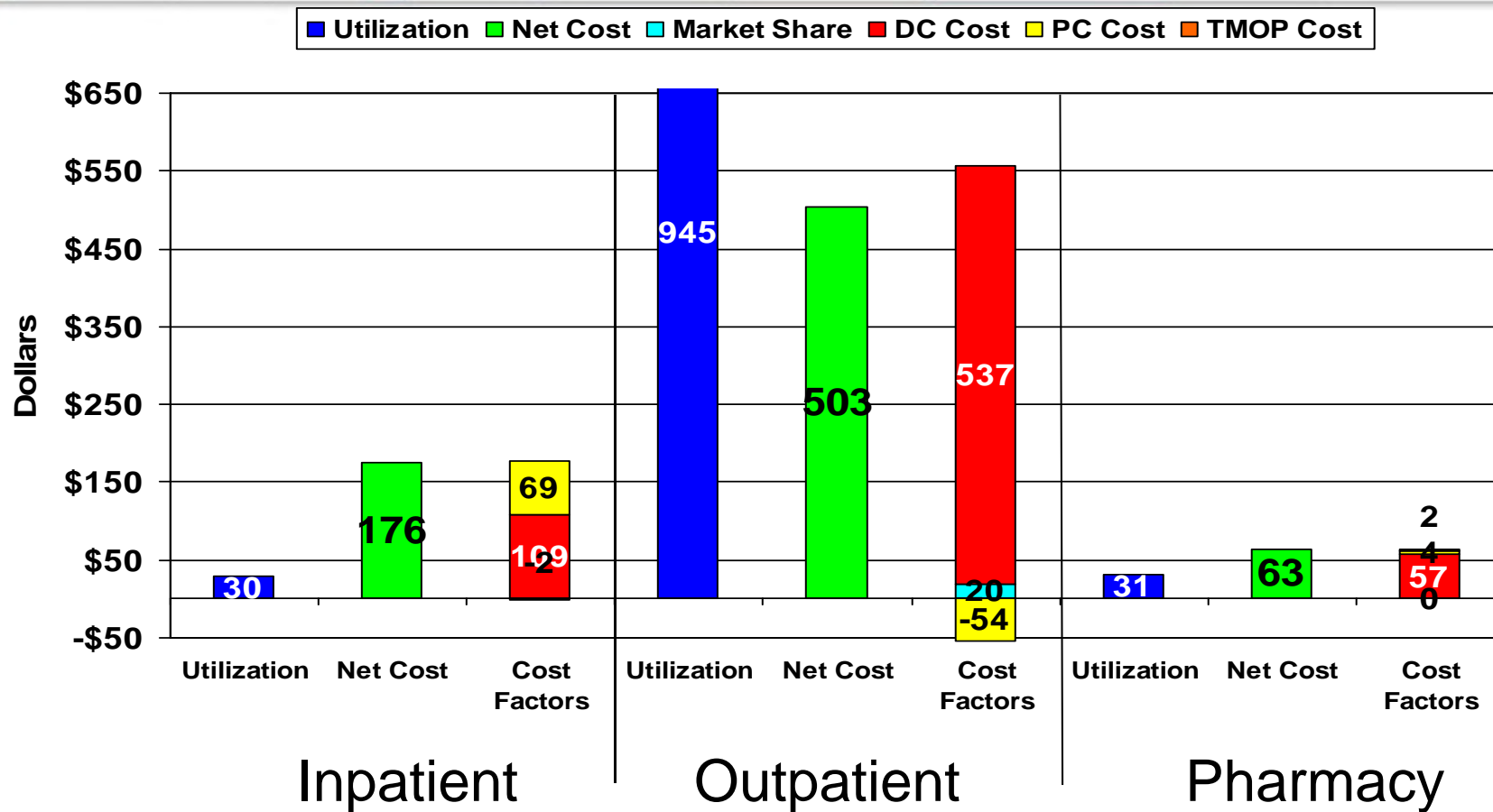
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Air Force Sites

Enr Parent	Parent Name	PMPM 09	% 06/09	Eq Lives
90	4th MED GRP-SEYMOUR JOHNSON	263	24.1%	11,294
93	319th MED GRP-GRAND FORKS	282	25.2%	6,024
94	5th MED GRP-MINOT	242	20.8%	10,640
95	88th MED GRP-WRIGHT-PATTERSON	329	25.1%	37,158
96	72nd MED GRP-TINKER	265	22.1%	22,443
97	97th MED GRP-ALTUS	279	2.3%	5,016
101	20th MED GRP-SHAW	262	24.2%	12,594
106	28th MED GRP-ELLSWORTH	266	10.1%	12,031
112	7th MED GRP-DYESS	290	16.3%	10,750
113	82nd MED GRP-SHEPPARD	288	10.3%	13,264
114	47th MED GRP-LAUGHLIN	289	6.7%	4,421
117	59th MED WING-LACKLAND	505	79.0%	16,426
119	75th MED GRP-HILL	264	20.7%	18,618
120	1st MED GRP-LANGLEY	269	20.5%	31,210
128	92nd MED GRP-FAIRCHILD	256	28.0%	12,620
129	90th MED GRP-F.E. WARREN	338	30.1%	8,577
203	354th MED GRP-EIELSON	286	21.0%	5,945
248	61st MED GROUP-LOS ANGELES	262	18.1%	8,233
252	21st MED GRP-PETERSON	209	30.5%	24,868
287	15th MED GRP-HICKAM	245	16.9%	12,748
310	66th MED GRP-HANSCOM	307	37.5%	7,211
326	87th MED GRP-MCGUIRE	314	16.0%	15,754
335	43RD MEDICAL GROUP-POPE	262	29.5%	8,482
338	71st MED GRP-VANCE	263	2.1%	4,339
356	437th MED GRP-CHARLESTON	284	30.1%	11,749
364	17th MED GRP-GOODFELLOW	258	24.3%	7,495
366	12th MED GRP-RANDOLPH	309	46.9%	25,477
413	579TH MED GROUP-BOLLING	321	39.1%	7,620
7139	1st SPEC OPS MED GRP-HURLBURT	268	9.2%	16,054
7200	460th MED GRP-BUCKLEY AFB	250	17.2%	7,477
Grand Total		280	22.5%	1,024,543

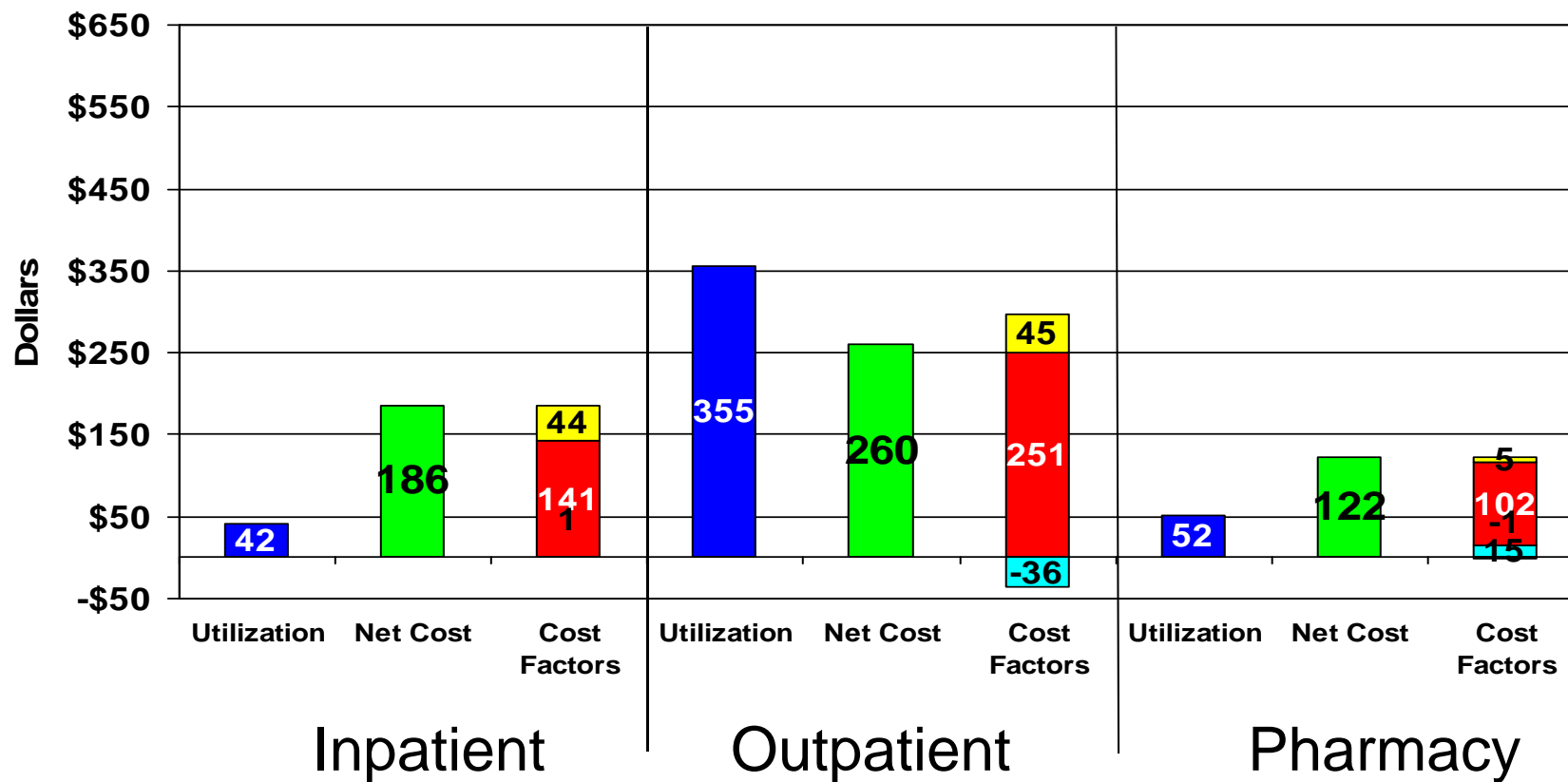
# 0029 San Diego AD Prime Enrollee PMPY Increase Factors



# 0029 San Diego Non-AD Prime Enrollee PMPY Increase Factors



■ Utilization ■ Net Cost ■ Market Share ■ DC Cost ■ PC Cost ■ TMOP Cost





# 0029 - SD AD ER Prod



					2006		2009		FY06/09 RVU Change				
Prod	MTF	Adj BenGrp	Diag Desc	MDC(SADR)	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct			
ER	29	AD	78650 CHEST PAIN, UNSPECIFIED	5	1.95	0.75	3.71	1.25	1.76	90.6%			
			7840 HEADACHE	1	1.97	0.81	4.06	1.02	2.09	106.3%			
			7242 LUMBAGO	8	1.19	0.79	2.01	0.94	0.82	69.3%			
			78659 CHEST PAIN NEC	5	1.54	0.79	1.98	0.94	0.44	28.6%			
			462 ACUTE PHARYNGITIS	3	1.42	0.96	1.27	0.74	(0.15)	-10.7%			
			5589 NONINF GASTROENTERIT NEC	6	0.88	0.80	1.73	0.88	0.85	96.1%			
			84500 SPRAIN OF ANKLE NOS	8	1.17	0.81	1.56	0.77	0.38	32.6%			
			8830 OPEN WOUND OF FINGER	9	1.71	0.67	1.91	0.56	0.20	11.7%			
			78909 ABDOMINAL PAIN, OTH SPEC	6	0.81	0.40	3.17	0.82	2.36	291.9%			
			78701 NAUSEA WITH VOMITING	6	0.65	0.49	2.36	0.69	1.71	262.9%			
			4659 ACUTE URI NOS	3	0.65	0.43	1.29	0.74	0.64	99.0%			
			V6889 ENCOUNTERS FOR OTHER SPECIFIED	23	0.01	0.72	0.10	0.37	0.09	721.9%			
			78900 ABDOM PAIN,UNSPECIFIED SI	6	1.64	0.67	1.26	0.41	(0.38)	-23.1%			
			5990 URIN TRACT INFECTION NOS	11	0.66	0.43	1.24	0.62	0.57	86.5%			
			8470 SPRAIN OF NECK	8	1.03	0.65	0.70	0.36	(0.33)	-32.1%			
			07999 UNSPECIFIED VIRAL INFECTIONS	18	0.51	0.38	1.34	0.62	0.83	162.6%			
			7802 SYNCOPE AND COLLAPSE	5	0.82	0.42	1.55	0.49	0.73	89.9%			
			7245 BACKACHE NOS	8	0.64	0.42	1.27	0.44	0.64	100.1%			
			311 DEPRESSIVE DISORDER NEC	19	0.67	0.39	0.92	0.42	0.25	37.3%			
			4660 ACUTE BRONCHITIS	4	0.35	0.24	1.09	0.56	0.74	212.1%			
			7806 FEVER	18	0.57	0.40	1.06	0.40	0.49	87.2%			
			7295 PAIN IN LIMB	8	0.42	0.31	1.23	0.47	0.82	195.7%			
			95901 HEAD INJURY, UNSPECIFIED	21	0.81	0.29	1.24	0.44	0.43	52.4%			
			8449 SPRAIN OF KNEE AND LEG NOS	8	0.52	0.31	0.83	0.41	0.31	60.1%			
			5920 CALCULUS OF KIDNEY	11	0.66	0.29	1.58	0.43	0.92	138.0%			
			AD Total					23.23	13.65	40.44	15.80	17.21	74.1%
			29 Total					23.23	13.65	40.44	15.80	17.21	74.1%
		ER Total					23.23	13.65	40.44	15.80	17.21	74.1%	

# 0029 - SD Non-AD ER Prod



Prod	MTF	Adj BenGrp	Diag Desc	MDC(SADR)	2006		2009		FY06/09 RVU Change		
					RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct	
ER	29	Non AD	7806 FEVER	18	2.65	1.83	4.40	2.17	1.74	65.7%	
			4659 ACUTE URI NOS	3	2.27	1.81	2.66	1.84	0.39	17.1%	
			3829 OTITIS MEDIA NOS	3	2.20	1.53	2.33	1.68	0.13	5.9%	
			5990 URIN TRACT INFECTION NOS	11	1.50	1.01	2.63	1.36	1.13	75.0%	
			78650 CHEST PAIN, UNSPECIFIED	5	1.87	0.92	3.57	1.14	1.69	90.4%	
			462 ACUTE PHARYNGITIS	3	1.54	1.15	1.27	0.83	(0.27)	-17.7%	
			7840 HEADACHE	1	1.70	0.86	3.48	0.98	1.77	104.0%	
			78659 CHEST PAIN NEC	5	1.59	0.79	2.32	0.94	0.72	45.4%	
			486 PNEUMONIA, ORGANISM NOS	4	1.65	0.87	1.75	0.70	0.10	6.2%	
			78900 ABDOM PAIN,UNSPECIFIED SI	6	1.96	0.94	1.28	0.58	(0.69)	-35.0%	
			78703 VOMITING WITHOUT NAUSEA	6	1.20	0.90	0.84	0.61	(0.36)	-29.8%	
			78909 ABDOMINAL PAIN, OTH SPEC	6	0.93	0.51	2.91	0.99	1.98	214.1%	
			5589 NONINF GASTROENTERIT NEC	6	0.89	0.76	1.14	0.66	0.25	27.8%	
			V6889 ENCOUNTERS FOR OTHER SPECIFIED	23	0.03	0.92	0.07	0.37	0.05	177.5%	
			78701 NAUSEA WITH VOMITING	6	0.72	0.48	1.76	0.80	1.04	144.5%	
			95901 HEAD INJURY, UNSPECIFIED	21	0.93	0.52	1.60	0.73	0.67	72.1%	
			07999 UNSPECIFIED VIRAL INFECTIONS	18	0.55	0.52	1.12	0.69	0.58	105.3%	
			4660 ACUTE BRONCHITIS	4	0.49	0.44	1.29	0.71	0.80	163.2%	
			84500 SPRAIN OF ANKLE NOS	8	0.57	0.43	1.08	0.52	0.51	90.7%	
			34690 MIGRAINE, UNSPEC,WO INTRACTABL	1	0.74	0.52	0.90	0.38	0.15	20.7%	
			7242 LUMBAGO	8	0.73	0.40	1.05	0.52	0.33	44.8%	
			64003 THREATEN ABORT-ANTEPART	14	0.70	0.37	1.66	0.48	0.96	138.2%	
			8470 SPRAIN OF NECK	8	0.70	0.45	0.67	0.37	(0.02)	-3.1%	
			7802 SYNCOPE AND COLLAPSE	5	0.70	0.38	2.17	0.43	1.47	210.4%	
			7804 DIZZINESS AND GIDDINESS	3	0.65	0.40	0.88	0.41	0.24	36.6%	
		Non AD Total					29.45	19.70	44.82	20.91	15.37
	29 Total					29.45	19.70	44.82	20.91	15.37	52.2%
ER Total					29.45	19.70	44.82	20.91	15.37	52.2%	

# 0029 - SD AD MDC-08 Ortho



MDC	Review Group	Adj Ben	Diag Desc	2006		2009		FY06/09 RVU Change	
				RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
8	29	AD	7242 LUMBAGO	29.71	14.63	41.26	25.36	11.55	38.9%
			71946 JOINT PAIN-L/LEG	12.10	7.86	28.16	18.30	16.07	132.9%
			7231 CERVICALGIA	8.46	3.77	12.14	6.86	3.68	43.5%
			71941 JOINT PAIN-SHLDER	3.58	2.48	16.70	11.54	13.13	367.0%
			7245 BACKACHE NOS	12.61	6.87	7.00	3.84	(5.62)	-44.5%
			71783 OLD DISRUPT ANT CRUCIATE	8.25	1.94	11.10	2.12	2.85	34.6%
			84500 SPRAIN OF ANKLE NOS	8.21	5.27	9.88	4.97	1.67	20.3%
			72871 PLANTAR FIBROMATOSIS	5.24	1.88	12.21	2.77	6.97	133.0%
			72885 SPASM OF MUSCLE	2.75	1.35	13.71	16.77	10.95	397.8%
			72610 ROTATOR CUFF SYND NOS	6.06	2.47	8.34	2.22	2.29	37.8%
			7295 PAIN IN LIMB	4.93	2.77	9.15	5.04	4.22	85.6%
			8449 SPRAIN OF KNEE AND LEG NOS	6.35	3.75	6.92	4.34	0.57	9.0%
			7241 PAIN IN THORACIC SPINE	5.89	2.87	5.52	3.34	(0.37)	-6.2%
			8407 SUPERIOR GLENOID LABRUM LESION	5.27	1.88	4.90	1.78	(0.37)	-7.1%
			7291 MYALGIA AND MYOSITIS NOS	3.59	1.98	5.44	4.38	1.85	51.6%
			71881 JT DERANGMENT NEC-SHLDER	1.61	0.13	7.37	1.26	5.77	358.8%
			8472 SPRAIN LUMBAR REGION	4.89	3.22	3.66	1.97	(1.22)	-25.0%
			72210 LUMBAR DISC DISPLACEMENT	2.82	0.74	5.74	2.31	2.92	103.5%
			8442 SPRAIN CRUCIATE LIG KNEE	4.54	1.11	3.92	1.35	(0.62)	-13.6%
			71947 JOINT PAIN-ANKLE	2.53	1.92	5.73	3.48	3.20	126.5%
			8470 SPRAIN OF NECK	3.91	2.33	3.92	2.01	0.01	0.3%
			71945 JOINT PAIN-PELVIS	2.51	1.62	5.13	3.20	2.62	104.2%
			71801 ARTIC CARTIL DIS-SHLDER	7.32	0.26	0.24	0.01	(7.08)	-96.8%
			7262 SHOULDER REGION DIS NEC	1.65	0.12	5.12	1.22	3.48	210.7%
			7213 LUMBOSACRAL SPONDYLOSIS	3.14	1.73	3.56	1.64	0.42	13.3%
		AD Total		157.89	74.94	236.82	132.09	78.93	50.0%
	29 Total			157.89	74.94	236.82	132.09	78.93	50.0%
8 Total				157.89	74.94	236.82	132.09	78.93	50.0%

# 0029 - SD Non-AD MDC-08 Ortho



				2006		2009		FY06/09 RVU Change		
MDC	Review Group	Adj BenGrp	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct	
8	29	AD	7242 LUMBAGO	7.42	3.65	12.00	7.37	4.57	61.6%	
			71946 JOINT PAIN-L/LEG	3.02	1.96	8.19	5.32	5.17	171.0%	
			7231 CERVICALGIA	2.11	0.94	3.53	2.00	1.42	67.1%	
			71941 JOINT PAIN-SHLDER	0.89	0.62	4.86	3.35	3.96	443.5%	
			7245 BACKACHE NOS	3.15	1.72	2.03	1.12	(1.12)	-35.4%	
			71783 OLD DISRUPT ANT CRUCIATE	2.06	0.48	3.23	0.62	1.17	56.7%	
			84500 SPRAIN OF ANKLE NOS	2.05	1.32	2.87	1.44	0.82	40.1%	
			72871 PLANTAR FIBROMATOSIS	1.31	0.47	3.55	0.80	2.24	171.2%	
			72885 SPASM OF MUSCLE	0.69	0.34	3.98	4.88	3.30	479.4%	
			72610 ROTATOR CUFF SYND NOS	1.51	0.62	2.43	0.65	0.91	60.3%	
			7295 PAIN IN LIMB	1.23	0.69	2.66	1.47	1.43	116.0%	
			8449 SPRAIN OF KNEE AND LEG NOS	1.59	0.94	2.01	1.26	0.43	26.9%	
			7241 PAIN IN THORACIC SPINE	1.47	0.72	1.60	0.97	0.13	9.1%	
			8407 SUPERIOR GLENOID LABRUM LESION	1.32	0.47	1.42	0.52	0.11	8.2%	
			7291 MYALGIA AND MYOSITIS NOS	0.90	0.49	1.58	1.27	0.69	76.5%	
			71881 JT DERANGMENT NEC-SHLDER	0.40	0.03	2.14	0.37	1.74	434.0%	
			8472 SPRAIN LUMBAR REGION	1.22	0.80	1.07	0.57	(0.16)	-12.7%	
			72210 LUMBAR DISC DISPLACEMENT	0.70	0.18	1.67	0.67	0.96	136.8%	
			8442 SPRAIN CRUCIATE LIG KNEE	1.13	0.28	1.14	0.39	0.01	0.5%	
			71947 JOINT PAIN-ANKLE	0.63	0.48	1.67	1.01	1.03	163.7%	
			8470 SPRAIN OF NECK	0.98	0.58	1.14	0.59	0.16	16.7%	
			71945 JOINT PAIN-PELVIS	0.63	0.40	1.49	0.93	0.86	137.7%	
			71801 ARTIC CARTIL DIS-SHLDER	1.83	0.06	0.07	0.00	(1.76)	-96.3%	
			7262 SHOULDER REGION DIS NEC	0.41	0.03	1.49	0.36	1.08	261.7%	
			7213 LUMBOSACRAL SPONDYLOSIS	0.79	0.43	1.04	0.48	0.25	31.9%	
					AD Total		39.44	18.72	68.85	38.40
		29 Total			39.44	18.72	68.85	38.40	29.41	74.6%
8 Total				39.44	18.72	68.85	38.40	29.41	74.6%	



## 0029 - SD AD MDC-23 Health Status

MDC	Review Group	Adj Ber	Diag Desc	2006		2009		FY06/09 RVU Change	
				RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
23	29	AD	V571 CARE INVOLVING OTHER PHYSICAL	148.14	90.43	297.64	141.79	149.50	100.9%
			V705 2 PERIODIC HEALTH ASSESSMENTS (PHA)	9.84	3.94	249.30	82.49	239.46	2434.4%
			V7231 ROUTINE GYNECOLOGICAL EXAM	25.10	8.13	49.05	13.71	23.95	95.4%
			V0481 NEED PROPHYLC VACC&INOCUL INFL	10.62	12.94	61.17	52.76	50.55	476.1%
			V705 4 PRE-DEPLOYMENT RELATED ENCOUNTER	33.84	13.57	20.71	10.51	(13.14)	-38.8%
			V689 ENCOUNTERS FOR UNSPECIFIED ADM	25.05	29.77	19.69	25.47	(5.35)	-21.4%
			V7284 PRE-OP EXAM, UNSPECIFIED	15.04	2.93	28.03	6.99	12.98	86.3%
			V5721 ENCTR FOR OCCUPATIONAL THERAPY	18.89	9.62	19.23	12.69	0.34	1.8%
			V053 NEED PROPHYLACTIC VACCINATION	3.99	1.45	31.95	10.60	27.96	701.7%
			V5871 AFTERCAR FOLL SRG,SENS ORG,NEC	4.50	2.60	26.75	10.20	22.24	494.0%
			V705 9 SEPARATION/TERMINATION/RETIREMENT EXAM	8.81	3.86	21.68	8.58	12.87	146.1%
			V705 0 ARMED FORCES MEDICAL EXAM	12.35	6.65	16.70	5.76	4.34	35.2%
			V031 NEED PROPHYLACTIC VACCINATION	2.22	0.96	25.98	10.10	23.76	1068.2%
			V221 SUPERVISION OF OTHER NORMAL PR	17.12	8.52	8.49	3.38	(8.63)	-50.4%
			V705 1 AVIATION EXAM	7.71	2.75	17.44	5.46	9.73	126.2%
			V700 ROUTINE GENERAL MEDICAL EXAMIN	18.48	7.75	5.98	2.49	(12.50)	-67.6%
			V220 SUPERVISION OF NORMAL FIRST PR	15.07	7.70	9.34	3.99	(5.74)	-38.1%
			V039 NEED PROPHYLACTIC INOCULATION,	0.17	0.07	23.41	6.42	23.24	13412.0%
			V741 SCREENING EXAMINATION FOR PULM	6.15	8.49	17.35	28.45	11.19	181.9%
			V707 EXAM,PARTICIPANT CLINICL TRIAL	22.76	2.86	0.43	0.36	(22.33)	-98.1%
			V5878 AFTERC FOLL SURG,MUSCULOSK,NEC	4.42	3.09	14.68	8.26	10.26	232.1%
			V720 EXAMINATION OF EYES AND VISION	15.05	3.41	3.44	0.79	(11.61)	-77.1%
			V705 3 OCCUPATIONAL EXAM	2.18	1.31	16.34	8.41	14.16	650.1%
			V703 OTHER GENERAL MEDICAL EXAMINAT	13.05	7.26	2.89	2.62	(10.16)	-77.8%
			V719 OBSERVATION FOR UNSPECIFIED SU	2.00	0.30	13.82	1.22	11.83	592.4%
AD Total			442.56	240.37	1,001.49	463.52	558.93	126.3%	
29 Total			442.56	240.37	1,001.49	463.52	558.93	126.3%	
23 Total			442.56	240.37	1,001.49	463.52	558.93	126.3%	





## 0029 - SD Non-AD MDC-23 Health Status

				2006		2009		FY06/09 RVU Change	
MDC	Review Group	Adj Ber	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
23	29	Non AD	V202 ROUTINE INFANT OR CHILD HEALTH	97.88	27.82	119.55	31.29	21.67	22.1%
			V7231 ROUTINE GYNECOLOGICAL EXAM	21.86	6.83	51.15	13.38	29.29	133.9%
			V700 ROUTINE GENERAL MEDICAL EXAMIN	24.58	9.69	25.10	8.30	0.51	2.1%
			V571 CARE INVOLVING OTHER PHYSICAL	27.39	14.82	18.05	10.31	(9.34)	-34.1%
			V7651 SCREEN MALIG NEOP-COLON	11.46	1.43	20.90	2.65	9.44	82.4%
			V720 EXAMINATION OF EYES AND VISION	10.11	3.17	21.57	7.62	11.46	113.4%
			V221 SUPERVISION OF OTHER NORMAL PR	18.33	8.97	7.97	3.12	(10.36)	-56.5%
			V0481 NEED PROPHYLC VACC&INOCUL INFL	7.66	8.37	16.02	14.87	8.37	109.3%
			V689 ENCOUNTERS FOR UNSPECIFIED ADM	4.26	9.44	15.97	50.48	11.71	274.5%
			V653 DIETARY SURVEILLANCE AND COUNS	8.32	3.45	9.45	6.98	1.14	13.7%
			V703 OTHER GENERAL MEDICAL EXAMINAT	7.45	2.87	8.72	6.26	1.27	17.0%
			V220 SUPERVISION OF NORMAL FIRST PR	10.63	5.56	5.00	2.00	(5.62)	-52.9%
			V5883 THERAPEUTIC DRUG MONITOR	7.12	5.11	3.95	5.38	(3.16)	-44.4%
			V053 NEED PROPHYLACTIC VACCINATION	4.66	2.22	4.70	2.05	0.04	0.9%
			V0489 NEED PROPH VACC&INOC OTH VIR	0.02	0.02	10.01	2.87	9.99	43537.0%
			V802 1	3.12	0.61	4.80	0.97	1.68	54.0%
			V814 SCREENING, OTHER & UNSPEC RESP	3.54	0.65	3.30	0.54	(0.24)	-6.8%
			V5721 ENCTR FOR OCCUPATIONAL THERAPY	4.46	2.21	2.16	1.63	(2.29)	-51.4%
			V6881 REFERRAL OF PATIENT WITHOUT EX	0.54	5.00	6.39	23.16	5.85	1082.4%
			V6889 ENCOUNTERS FOR OTHER SPECIFIED	5.55	21.73	0.53	6.46	(5.02)	-90.5%
			V681 ISSUE OF REPEAT PRESCRIPTIONS	1.91	5.45	4.70	12.42	2.78	145.3%
			V705 2	4.00	1.17	1.86	0.50	(2.14)	-53.5%
			V7285 OTHER SPECIFIED EXAMINATION	3.80	1.31	2.05	0.66	(1.75)	-46.1%
			V762 SCREENING FOR MALIGNANT NEOPLA	3.07	1.00	2.74	0.96	(0.33)	-10.7%
		V069 NEED PROPHYLACTIC VACCINATION	2.22	0.67	2.87	0.77	0.65	29.3%	
Non AD Total			293.93	149.57	369.51	215.65	75.58	25.7%	
29 Total			293.93	149.57	369.51	215.65	75.58	25.7%	
23 Total			293.93	149.57	369.51	215.65	75.58	25.7%	



# All Enrollee AD MDC-23 Health Status V705 Break out for Optom and NP/PA

Adj BenGrpAD			2006		2009		FY06/09 RVU Change	
MDC	Adj Grp	Diag Desc	RVU/100	Vst/100	RVU/100	Vst/100	Delta	Pct
23	Optom	V705 2 PERIODIC HEALTH ASSESSMENTS (PHA)	11.43	2.23	42.52	7.76	31.09	271.9%
		V705 4 PRE-DEPLOYMENT RELATED ENCOUNTER	3.17	1.04	6.20	2.04	3.03	95.6%
		V705 1 AVIATION EXAM	3.66	1.32	6.67	2.08	3.01	82.1%
		V705 3 OCCUPATIONAL EXAM	0.54	0.25	1.40	0.60	0.87	162.2%
		V705 7 DUTY STATUS DETERMINATION ENCOUNTER	0.22	0.17	0.96	0.37	0.74	332.7%
		V705 8 SPECIAL PROGRAM ACCESSION ENCOUNTER	0.13	0.07	0.87	0.19	0.74	560.7%
		V705 9 SEPARATION/TERMINATION/RETIREMENT EXAM	0.39	0.24	0.84	0.33	0.44	111.4%
		V705 0 ARMED FORCES MEDICAL EXAM	3.71	1.22	4.10	1.14	0.39	10.5%
		V705 H OTHER EXAM DEFINED POPULATION	-	-	0.32	0.08	0.32	#DIV/0!
		V705 6 POST-DEPLOYMENT RELATED ENCOUNTER	0.82	0.51	1.11	0.54	0.29	36.0%
		V705 B ABBREVIATED SEPARATION/TERMINATION/RETIREMENT EXAM	0.03	0.04	0.07	0.06	0.04	112.2%
		V705 A HEALTH EXAM OF DEFINED SUBPOPULATIONS	0.01	0.00	0.04	0.01	0.04	708.4%
		V705 D PRE-DEPLOYMENT ASSESSMENT	-	-	0.03	0.03	0.03	#DIV/0!
		V705 C PHYSICAL READINESS TEST (PRT) EVALUATION	-	-	0.02	0.01	0.02	#DIV/0!
		V705 G GLOBAL WAR ON TERRORISM/WOUNDED WARRIORS	-	-	0.01	0.00	0.01	#DIV/0!
		V705 E INITIAL POST-DEPLOYMENT ASSESSMENT	-	-	0.01	0.01	0.01	#DIV/0!
		V705 F POST DEPLOYMENT HEALTH REASSESSMENT (PDHRA	-	-	0.00	0.00	0.00	#DIV/0!
		V705 5 INTRA-DEPLOYMENT ENCOUNTER	0.16	0.04	0.03	0.01	(0.12)	-77.8%
		V705 HEALTH EXAMINATION OF DEFINED NATURE	0.19	0.07	-	-	(0.19)	-100.0%
		Optom Total		24.46	7.19	65.21	15.29	40.75
	NP/PA	V705 D PRE-DEPLOYMENT ASSESSMENT	-	-	30.59	16.74	30.59	#DIV/0!
		V705 2 PERIODIC HEALTH ASSESSMENTS (PHA)	11.83	5.22	28.87	17.09	17.04	144.0%
		V705 E INITIAL POST-DEPLOYMENT ASSESSMENT	0.00	0.00	10.52	10.24	10.52	1481420.0%
		V705 F POST DEPLOYMENT HEALTH REASSESSMENT (PDHRA	0.00	0.00	8.76	7.63	8.75	177841.4%
		V705 7 DUTY STATUS DETERMINATION ENCOUNTER	2.65	1.25	4.45	2.25	1.80	68.2%
		V705 3 OCCUPATIONAL EXAM	2.84	1.17	4.40	1.68	1.57	55.3%
		V705 A HEALTH EXAM OF DEFINED SUBPOPULATIONS	0.17	0.08	1.42	0.91	1.25	723.9%
		V705 9 SEPARATION/TERMINATION/RETIREMENT EXAM	6.49	2.51	7.61	3.04	1.12	17.3%
		V705 1 AVIATION EXAM	1.67	0.47	2.53	0.97	0.86	51.5%
		V705 H OTHER EXAM DEFINED POPULATION	-	-	0.86	0.38	0.86	#DIV/0!
		V705 B ABBREVIATED SEPARATION/TERMINATION/RETIREMENT EXAM	0.79	0.33	1.34	0.57	0.56	70.8%
		V705 8 SPECIAL PROGRAM ACCESSION ENCOUNTER	0.27	0.11	0.78	0.32	0.51	184.6%
		V705 C PHYSICAL READINESS TEST (PRT) EVALUATION	0.00	0.00	0.37	0.23	0.37	10701.2%
		V705 G GLOBAL WAR ON TERRORISM/WOUNDED WARRIORS	-	-	0.22	0.14	0.22	#DIV/0!
		V705 5 INTRA-DEPLOYMENT ENCOUNTER	0.27	0.12	0.10	0.07	(0.17)	-62.2%
		V705 HEALTH EXAMINATION OF DEFINED NATURE	1.48	0.76	0.01	0.00	(1.48)	-99.6%
		V705 0 ARMED FORCES MEDICAL EXAM	6.35	2.05	4.20	1.75	(2.15)	-33.8%
		V705 6 POST-DEPLOYMENT RELATED ENCOUNTER	24.79	13.44	9.10	4.95	(15.69)	-63.3%
		V705 4 PRE-DEPLOYMENT RELATED ENCOUNTER	28.62	17.35	6.36	3.16	(22.26)	-77.8%
		NP/PA Total		88.23	44.87	122.50	72.10	34.28
23 Total			112.68	52.06	187.71	87.39	75.03	66.6%